



Ministry of Education and Training

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# F.Study

Electronic contact book application

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# Content

# 1. Introduction



# Introduction

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F.Study is an Electronic contact book application on mobile phones for parents.





## 2. Research





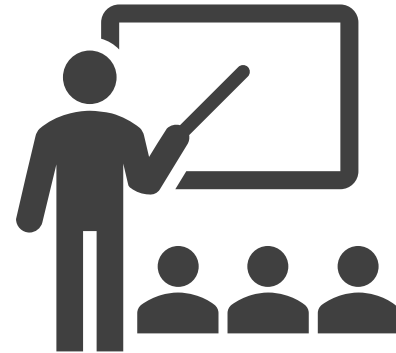
# Research: State of affairs

Trouble maker: The Overload



**1332**

1<sup>st</sup> and 2<sup>nd</sup> school  
in Hanoi



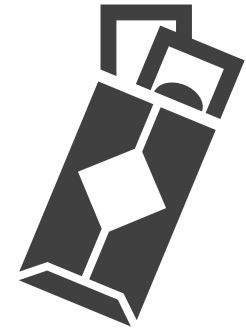
**557,609**

1<sup>st</sup> and 2<sup>nd</sup> students  
in Hanoi



**30.000**

1<sup>st</sup> grade in 2019



**3**

times of number  
if lucky year

# Research: State of affairs

Trouble maker: The Service

## TRAFIC JAM

Taking the children to and from school every day without being late for work has become a "challenge" for some parents.



About 1.2 million vehicles from other localities participate in traffic in the city everyday.



# Research: State of affairs

Trouble maker: The Service



## THE QUALITY

Recognizing this difficulty, many schools have provided bus transportation services but this service still has many potential risks. Although almost 100% elementary schools provide lunch for students, many incidents involving this issue have occurred.





# Research: State of affairs

Trouble maker: The Inconsistency

The image illustrates a multi-device educational ecosystem. On the left, a smartphone displays a messaging app interface with a message from 'T.nhấn (1)' at Solienlac, dated Sat, Dec 27, 20:16. The message reads: 'GVCN-2H:CMHS dien phieu so yeu li lich, nhac on on TLV, hoan thanh phieu Toan, chua Toan sai. Tran trong!'. In the center, a laptop screen shows a web-based 'HỆ THỐNG GIÁO DỤC ĐIỆN TỬ THÀNH PHỐ HÀ NỘI' (Hanoi Electronic Education System) for 'BA DINH - LỚP 5 B' in the '2015-2016' school year. The main content is a 'Bảng điểm' (Gradebook) for 'ĐIỂM HỌ SỐ 1' (First Name Grade). The table lists subjects and their scores across 19 periods.

STT	Môn học	ĐIỂM HỌ SỐ 1																		
		MIỀNNG									VIỆT									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Văn học	9	8	7	4	5						6	5	4						
2	Toán học	9	8	7	4	5						6	5	4						
3	Vật Lý	9	8	7	6	5						6	5	4						
4	Hóa học	9	8	7								6	5	4						
5	Sinh học	9	8	7	6	5						6	5	4						
6	Lịch sử	9	8	7	6	5						6	5	4						
7	Địa lý	9	8	7								6	5	4						
8	GDCD	9	8	7								6	5	4						

On the right, a tablet displays two app icons: 'SchoolBus' (a green bus icon) and 'Pino' (a blue 'P' icon).

The repeated access to different platforms to update daily invisible information makes many parents feel awkward to use this form. The asynchronous and unified information flow also makes it difficult for parents to update information, especially for those who are not familiar with technology, which making parents feel dissatisfied.

## Research: Obstacles in the making of F.study



The biggest difficulty is that we need to gather large amounts of information from the schools.

We need this information to know how the schools operate, the services they provide, as well as the service platforms. However, to be able to delve into the specialized data of the education sector is almost impossible because every school has absolute confidentiality in its operation and the data structure to keep the student information confidential.

## Research: Obstacles and decisions in the making of F.study

With an educational viewpoint that is liberal, FSchool provides a fun and inspiring learning environment to inspire the potential of all students. With a dynamic, creative and keen style to keep up with the 4.0 trend, students are regularly exposed to practical experiences through extracurricular sessions and state-of-the-art learning facilities.

- Service: School meals, boarding services, school buses
- Total number of students in 2019-2020 : 910
- Number of primary students : 551
- Number of secondary students : 359
- Number of students using school's catering service : 910
- The average age of parents: 37 (mother) and 40 (father)

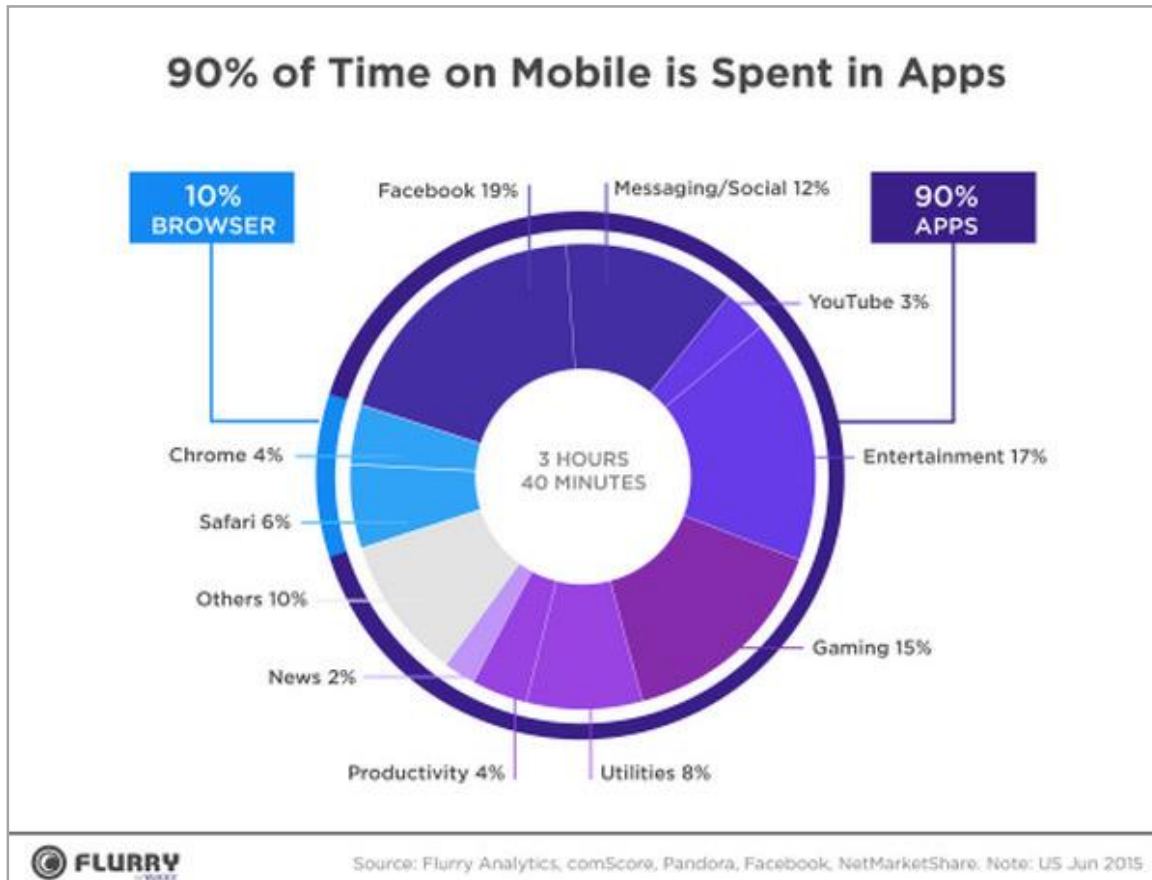
### TÔN CHỈ HOẠT ĐỘNG

- ★ HỌC TẬP LÀ HẠNH PHÚC;
- ★ NGHỈ KHÁC ĐỂ LÀM TỐT;
- ★ TRUNG THỰC VÀ TRÁCH NHIỆM;





# Research: Technology



Mobile application is a platform with many strengths, superior to the web platform, bringing benefits to users. The most recent study of Flurry Analytics shows that 90% of the time users use the phone is interacting with the mobile app.



# Research: Technology



- Mobile app is more personalized
- The ease of sending notifications to users
- Mobile device features
- Customers don't have to wait



## Research: Technology



GPS system



Google Firebase



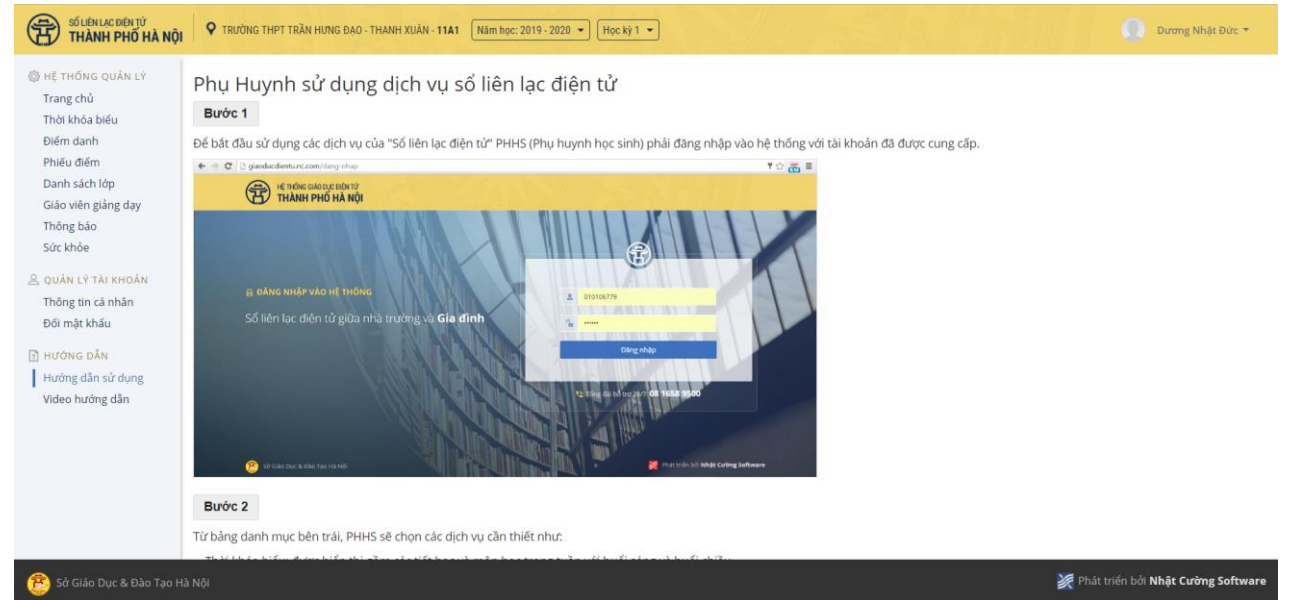
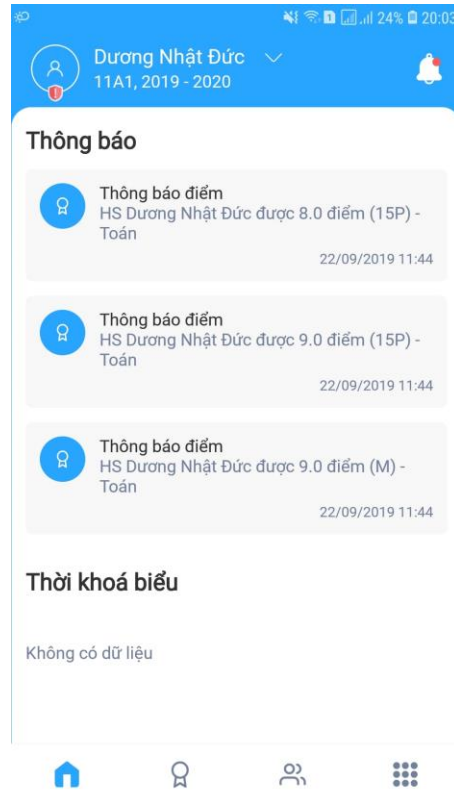
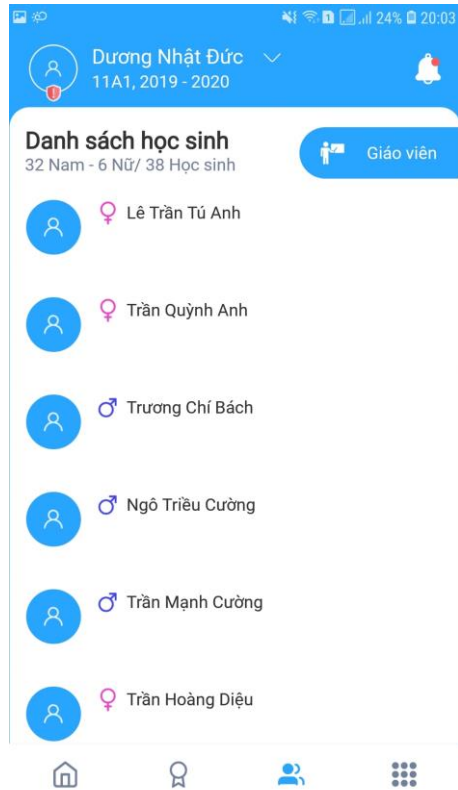
IOS system



Android system

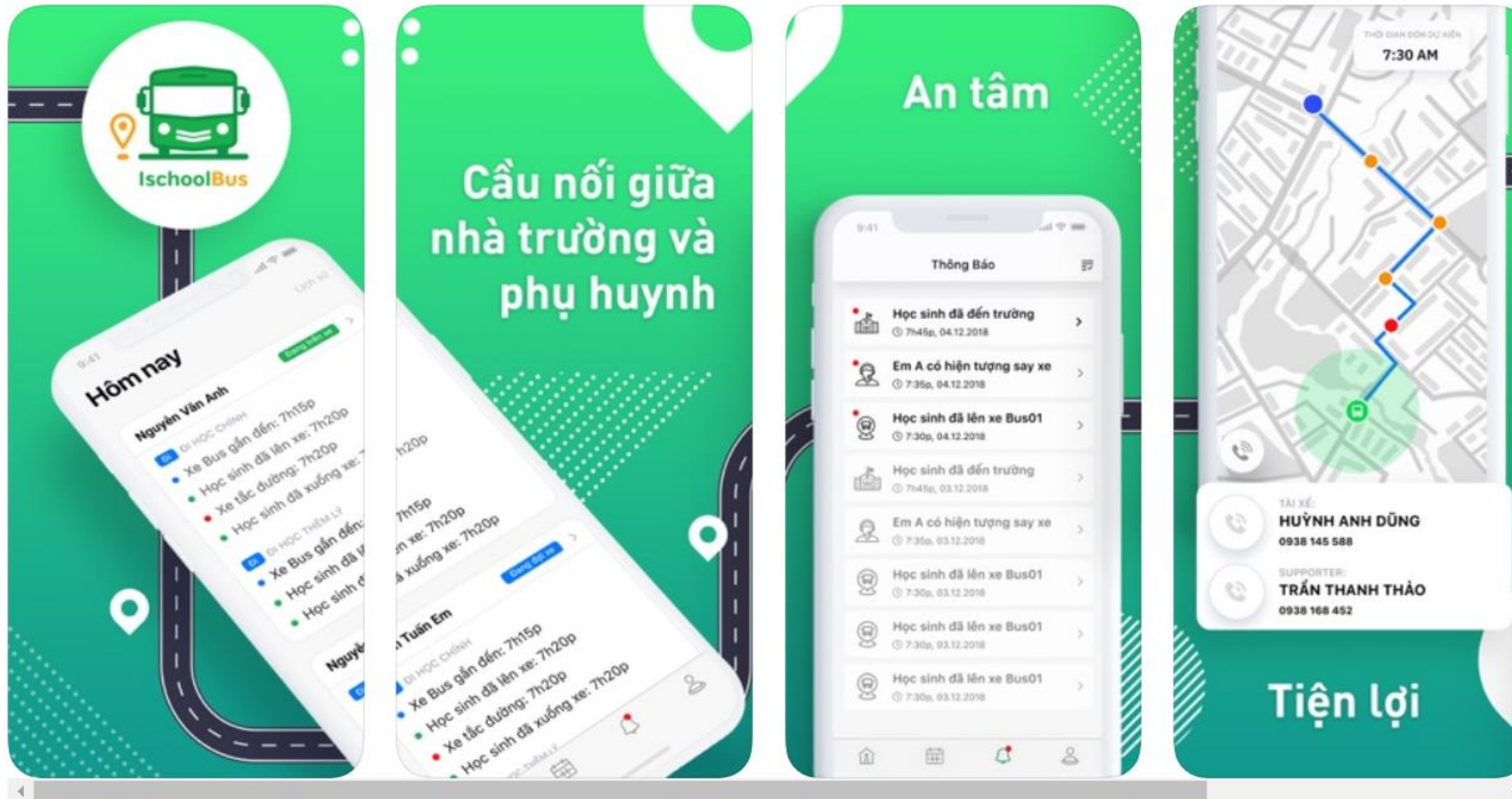


# Research: Analysis of apps with similar functions



# Research: Analysis of apps with similar functions

## iPhone Screenshots







# Research: Analysis of apps with similar functions

The screenshot displays the FPT Education dashboard for a teacher named Phyu Huynh. The interface is divided into several sections:

- Header:** FPT Education logo, user profile (Phyu Huynh), and notification bell.
- Left Sidebar:** Navigation menu with options: Trang chủ, Thông tin Học Tập, Khen thưởng Kỷ luật, and Tin nhắn.
- Main Content Area:**
  - Thông tin trên lớp học:** Overview section with a minus icon.
  - Nhận xét học sinh:** Student feedback section with five entries:
    - Tiết 2 (Fri 27-09-2019):** 1A1 - Vovinam Giáo Viên Hiennt152. Con ngoan và tập luyện vui vẻ, ghi nhớ và thực hiện tốt bài tập.
    - Tiết 6 (Wed 25-09-2019):** 1A1 - Cảm thụ âm nhạc Giáo Viên ngadvh. Con thuộc bài, hát đúng tiết tấu bài hát. Con cố gắng hát to rõ ràng hơn.
    - Tiết 2 (Tue 17-09-2019):** 1A1 - STEM Giáo Viên tuyettta13. Khánh Lam ngoan ngoãn, tập trung khi cô giảng bài. Con cũng thường xuyên giơ tay phát biểu bài và tích cực tham gia các hoạt động thí nghiệm. Con khéo léo, cẩn thận khi làm chậu cây giấy.
    - Tiết 1 (Thu 22-08-2019):** 1A1 - Toán Giáo Viên NgọcPH. Con chưa mang bút dạ.
    - Tiết 3 (Thu 22-08-2019):** 1A1 - Cảm thụ âm nhạc Giáo Viên ngadvh. Nhờ bố mẹ nhắc con mang thanh phách đến lớp.
  - Nhận xét lớp học của giáo viên:** Teacher feedback section with five entries:
    - Tiết 2 (Tue 01/10/2019):** 1A1 - STEM Giáo Viên tuyettta13. Buổi học thứ 6, các con làm quen với Quy trình thiết kế kỹ thuật và thực hiện được 3 bước trong 5 bước của quy trình. Các con phát triển được khả năng tư duy thông qua việc đặt câu hỏi và tưởng tượng về cánh tay robot. Lớp học sôi nổi và hào hứng.
    - Tiết 4 (Tue 01/10/2019):** 1A1 - Ngoại Ngữ Giáo Viên DungBTP. Lớp học Unit 2 - Listen and repeat (p17) - Listen and sing (p17) Ôn tập Câu hỏi What's this và các đồ dùng ( desk, chair, crayon, pencil, notebook)
    - Tiết 2 (Fri 27/09/2019):** 1A1 - Vovinam Giáo Viên Hiennt152. Ôn các kỹ thuật cơ bản : Đấm, Chém - Học kỹ thuật Gạt số 1 - Lớp ngoan và tập luyện vui vẻ.
    - Tiết 2 (Thu 26/09/2019):** 1A1 - Dance Giáo Viên chauvp. Nội dung bài học: Ôn tập động tác: Mổ Sét. Lớp học ngoan, chưa thực sự nắm vững các kỹ thuật động tác. Có sự tiến bộ khi về cuối giờ học.
    - Tiết 3 (Thu 26/09/2019):** 1A1 - Cảm thụ âm nhạc Giáo Viên ngadvh.
  - Lần vắng mặt gần nhất:** Section for recent absences, currently empty.
  - Tổng số tiết vắng mặt:** Section for total absences, currently empty.



# Research: Analysis of apps with similar functions

	Advantages	Disadvantages
 Pino	<ul style="list-style-type: none"> <li>Supported on mobile application platforms.</li> <li>Beautiful interface.</li> <li>High popularity.</li> <li>The basic functions are relatively easy to use.</li> </ul>	<ul style="list-style-type: none"> <li>The notification method is not suitable for primary school students because it is not detailed enough</li> <li>Being popular but not fully instructed so many parents do not use.</li> <li>Notification section is too sketchy, has not followed the information about the student.</li> <li>No functional information on shuttle service or daily menu.</li> </ul>
 <a href="https://solienlacidie.ntu.hanoi.gov.vn">https://solienlacidie.ntu.hanoi.gov.vn</a>	<ul style="list-style-type: none"> <li>Information about the score is shown fully</li> <li>There are sections that provide school notices</li> <li>Easy access to information than the application</li> <li>Neat and easy to understand interface design</li> </ul>	<ul style="list-style-type: none"> <li>Some functions do not work.</li> <li>Also lacking information.</li> <li>Apart from school notices, there are no announcements about individuals or other services.</li> </ul>
 <b>FPT SCHOOLS</b> <a href="http://daotaofscg.fpt.edu.vn">http://daotaofscg.fpt.edu.vn</a>	<ul style="list-style-type: none"> <li>Information provided is relatively complete.</li> <li>The notice is clearly and effectively decentralized.</li> <li>Can contact the teacher directly through the text messages.</li> </ul>	<ul style="list-style-type: none"> <li>The interface is not yet good and suitable.</li> <li>The information is not organized properly.</li> <li>Because it is only available on the web, access from devices other than computers is difficult.</li> <li>Although full notice but many items are repeated.</li> <li>Does not provide information about shuttle service.</li> <li>Does not provide daily menu information.</li> </ul>
 Ischoolbus	<ul style="list-style-type: none"> <li>Provide information about the schedule, the process of the school bus fully and conveniently.</li> <li>Nice interface, easy to understand.</li> </ul>	<ul style="list-style-type: none"> <li>In addition to information about the shuttle service, do not provide any other information</li> <li>Can not update on the website but must be in the application to update information</li> </ul>

## Research: Analysis of apps with similar functions

Functions	Pino	<a href="http://solienlacdientu.hanoi.gov.vn">solienlacdientu.hanoi.gov.vn</a>	Fschool's econtact website	ISchoolBus
Attendance	Yes	Yes	Yes	No
Timetable	Yes	Yes	No	No
Transcript	Yes	Yes	Yes	No
Student shuttle service information	No	No	No	Yes
Notification	Yes	Yes	Yes	Yes
Hierarchical notification	No	No	Yes	No
Student list of classes	Yes	Yes	Yes	No
Teacher list	Yes	Yes	Yes	No
Contact information	Yes	Yes	Yes	Yes
Teacher's comments	No	No	Yes	No
Message with teachers	No	No	Yes	No
Homework	No	No	Yes	No
Daily menu	No	No	No	No
Application for absence	No	No	No	No
History of academic results	Yes	Yes	Yes	No
Reward or discipline	Yes	Yes	Yes	No
Health information	No	Yes	No	No
Extracurricular activity information	No	No	No	No

# Research: Survey

- Survey form: online survey form (Google survey).
- There were about 100 people participating in the survey, reaching 83,3% of the expected (120 people).
- Purpose of the survey: To find out about difficulties of parents in managing, monitoring the learning process of children at school and their difficulties in using the existing electronic communication forms.

The screenshot shows a web-based survey form. At the top, there are navigation tabs for 'CÂU HỎI' (Questions) and 'CÂU TRẢ LỜI' (Answers), with a counter showing '103' responses. Below the tabs, a blue bar indicates 'Phần 1 / 2' (Part 1 / 2). The main title of the survey is 'Khảo sát về nhu cầu sử dụng ứng dụng Sổ liên lạc điện tử cho phụ huynh học sinh các trường tiểu học và THCS'. The text of the survey is in Vietnamese and includes a greeting, an explanation of the survey's purpose, and a request for participation. At the bottom, there is a navigation bar with the text 'Sau phần 1 Tiếp tục tới phần tiếp theo' (After part 1 Continue to the next part).

CÂU HỎI    CÂU TRẢ LỜI    103

Phần 1 / 2

## Khảo sát về nhu cầu sử dụng ứng dụng Sổ liên lạc điện tử cho phụ huynh học sinh các trường tiểu học và THCS

Kính chào các bậc phụ huynh!

Nhóm của chúng tôi đang xây dựng một ỨNG DỤNG nhằm cung cấp cho các vị phụ huynh có được những thông tin đầy đủ và chính xác trong việc quản lí và đồng hành cùng các em học sinh tiểu học/THCS trong quá trình học tập tại trường. Với mục tiêu đó, chúng tôi mong muốn có được những ý kiến đóng góp của quý phụ huynh trong quá trình thiết lập để có thể xây dựng ứng dụng một cách hiệu quả nhất, an toàn nhất và đầy đủ nhất.

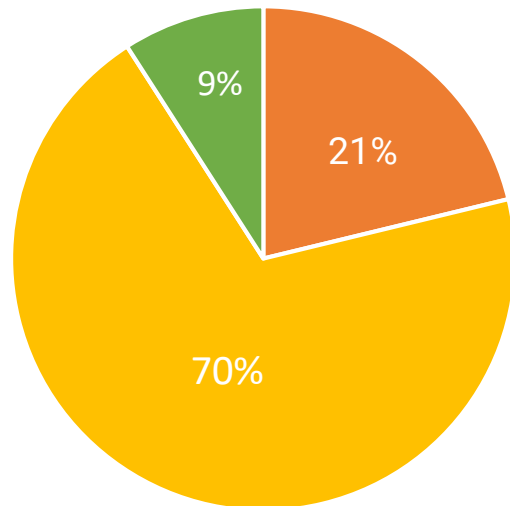
Chúng tôi xin ghi nhận và cảm ơn chân thành những ý kiến đóng góp của các vị. Xin cảm ơn.

Sau phần 1    Tiếp tục tới phần tiếp theo



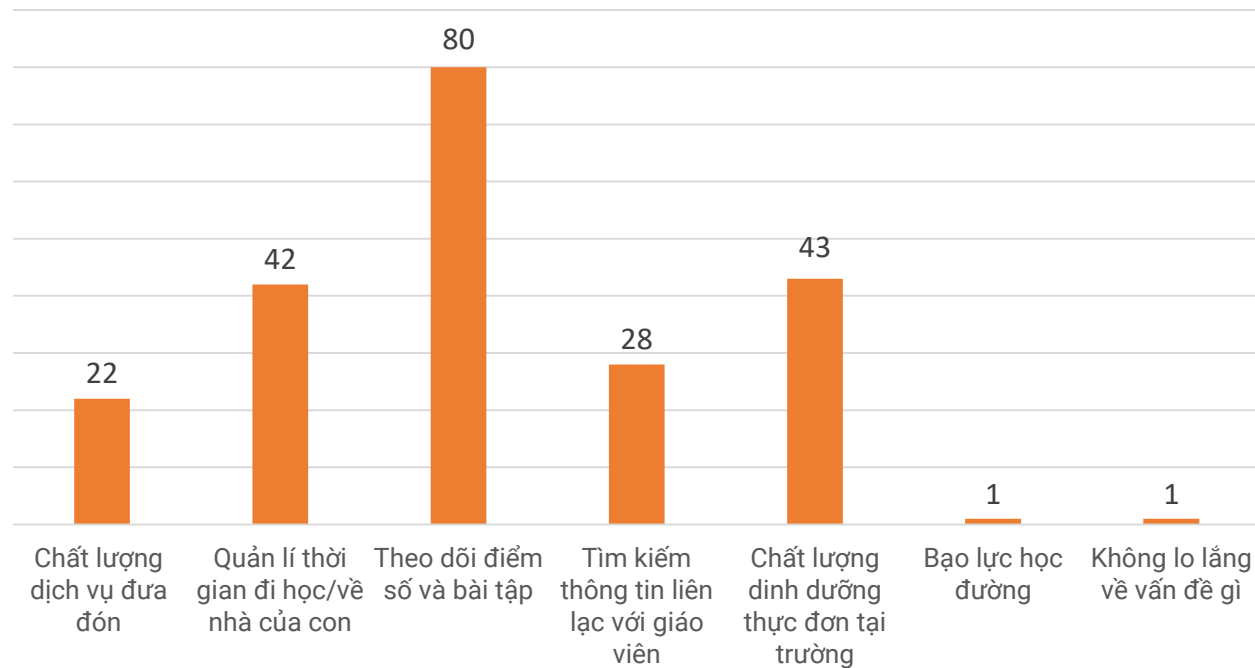
# Research: Survey

Tỉ lệ phụ huynh gặp khó khăn trong việc quản lí và theo dõi quá trình học của con tại trường



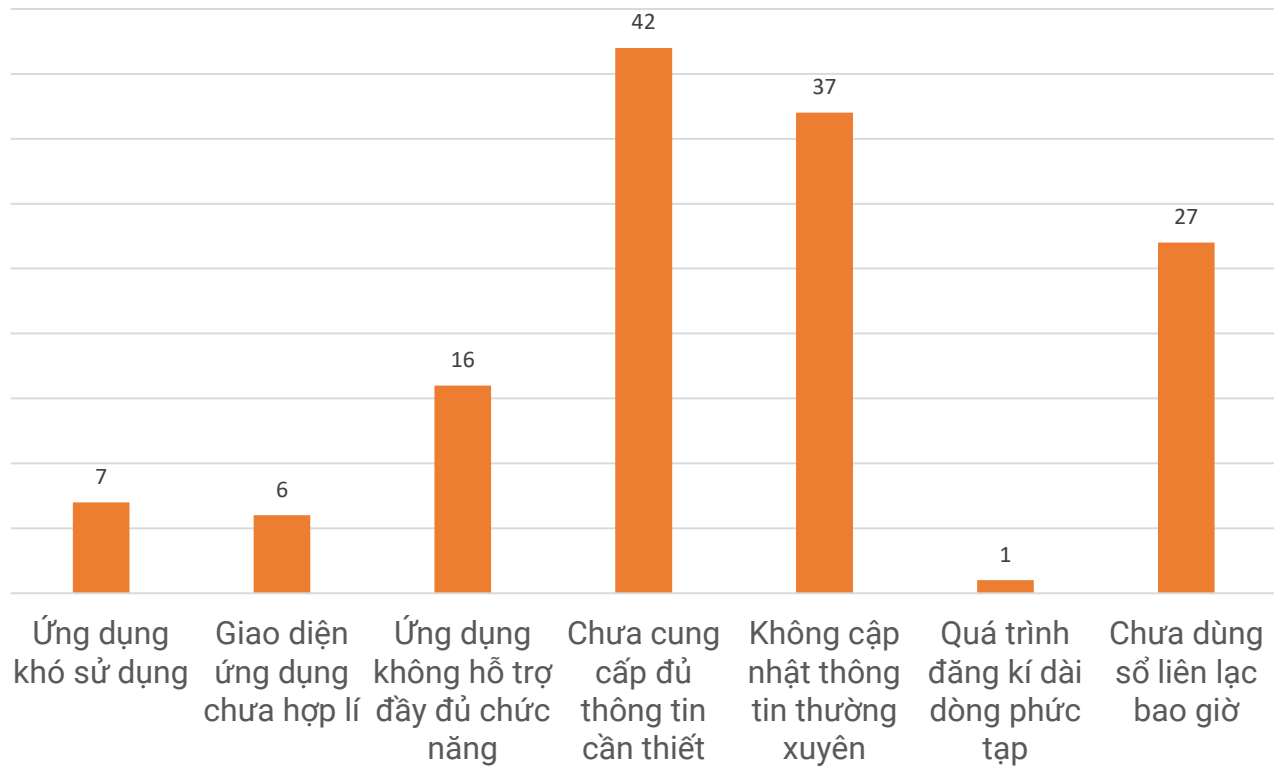
■ Rất khó khăn   ■ Đôi chút khó khăn   ■ Không gặp khó khăn

Thống kê những khó khăn, lo lắng về việc quản lí, theo dõi quá trình học tập của con tại trường mà phụ huynh hay gặp phải

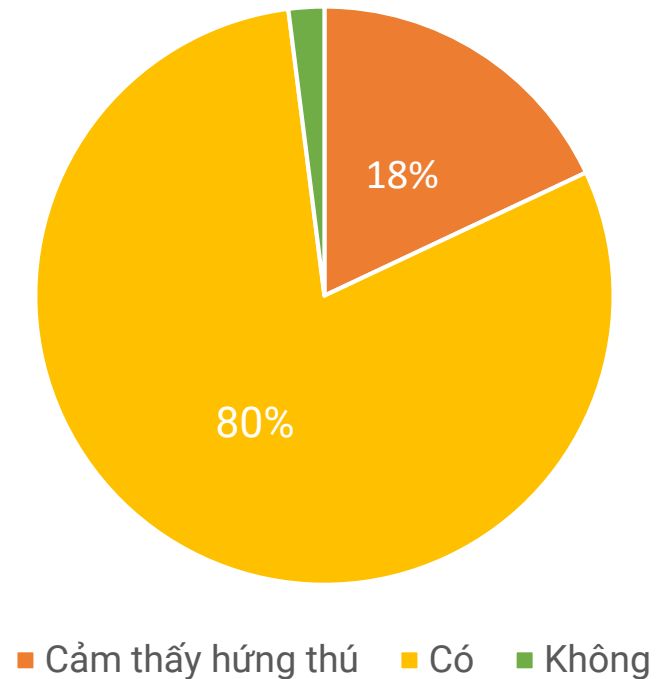


# Research: Survey

Các khó khăn hoặc điều chưa hài lòng khi sử dụng ứng dụng Sổ liên lạc điện tử

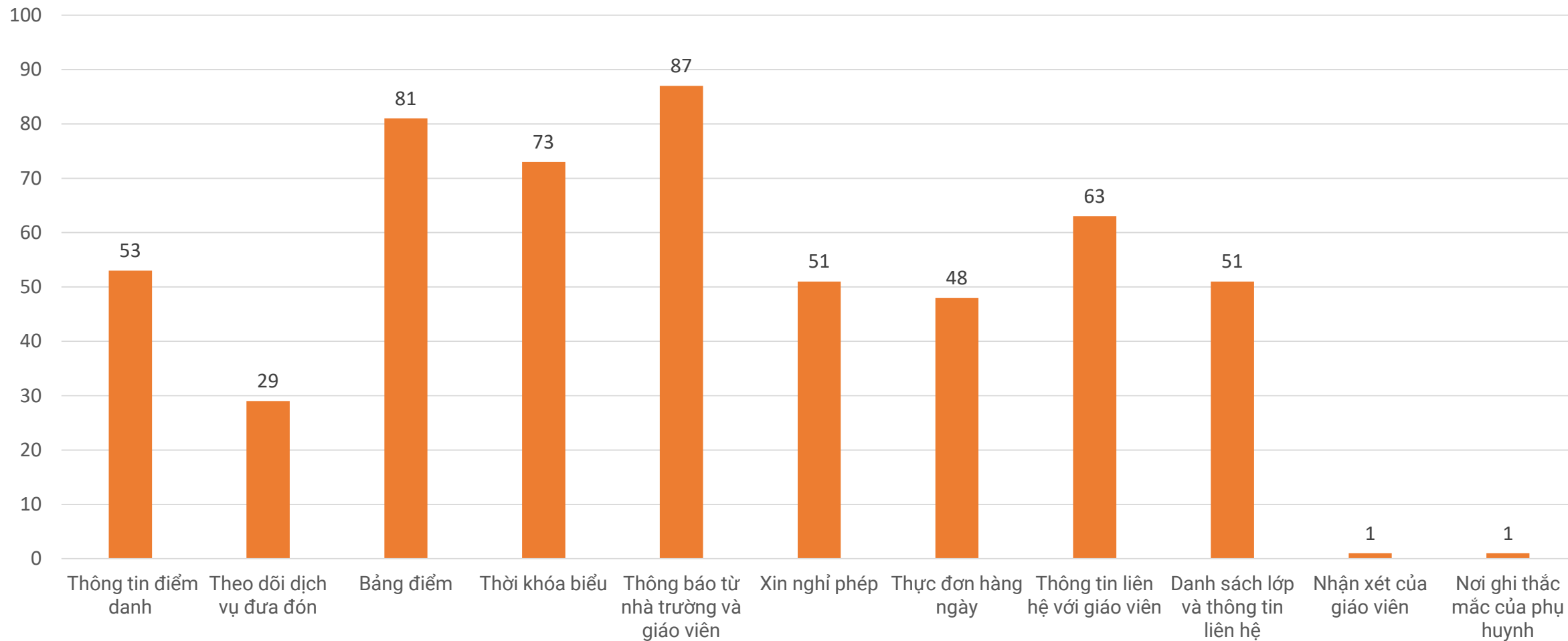


Tỉ lệ ý kiến về việc đồng ý sử dụng nếu có một ứng dụng Sổ liên lạc điện tử dễ dàng sử dụng, khắc phục được những khó khăn của phụ huynh



# Research: Survey

Những chức năng phụ huynh mong muốn được cung cấp trong ứng dụng Sổ liên lạc điện tử



# Research: Survey

- Many parents still have difficulty managing their children.
- Most parents already know and use electronic contact books, but there are many obstacles that make parents unsatisfied and lead them to not using it by web or mobile applications form. Instead, most of them use automated SMS form.
- 98% of parents have the need and desire to use a better electronic contact book application.
- The functions that parents want in the electronic contact book application:
  - School notices
  - Grades
  - Timetable
  - Teacher contact information
  - Class lists and student information
  - Attendance
  - Application for absence from school
  - School menus
  - Information about student transportation services





# Research: Offline Interview

Summary of requests from parents

	Pain points	Needs
Mrs. Nga	<ul style="list-style-type: none"><li>The work is too busy, sometimes missed notifications because often contact teachers through group chat of Zalo, Facebook</li></ul>	<ul style="list-style-type: none"><li>Want a convenient notification system in the app</li></ul>
Mr. Quang	<ul style="list-style-type: none"><li>Not good at technology</li><li>He doesn't know where to find information about his child's homework and is afraid to ask the teacher about it</li><li>Having trouble finding teachers' contact information</li></ul>	<ul style="list-style-type: none"><li>Wants something to help him easily look up his child's homework</li><li>Want to have notification hierarchy such as school level, grade level, personal level and be combined into one portal to be able to actively select the information to see</li></ul>
An anonymous parent	<ul style="list-style-type: none"><li>The notifications in the group chat of Zalo, Facebook is drifted away very quickly, making it difficult to look up news</li></ul>	<ul style="list-style-type: none"><li>She wants information about her child at school such as: timetable, menu, attendance, shuttle service, is there any problem?,...</li><li>The exercises can have room to share English listening files, exercise files ... right on the app</li><li>Suggestions that it would be great if could text on the app</li></ul>



# Research: Offline Interview

Summary of comments from teachers

	Comments
Mrs. Ly	<ul style="list-style-type: none"><li>• Too many channels for parents' information such as web, app, sms, email</li><li>• Causing confusion for the parents</li><li>• The app should only have the most necessary information for the parent, if too much will make the app too complicated.</li><li>• Parents want to use SMS more because it's so convenient, there's no need to open it up but they still know the notification.</li><li>• Due to the fact that it is difficult for technologies such as GPS tracking in real time or attendance check by QR code, face ID, forecast of vehicle arrival time,... can be done effectively, so the attendance check of the shuttle service will be done manually.</li></ul>
Mrs. NgaDVH	Teachers will find it difficult to comment on each child individually every day, which is almost impossible.
Mrs. NgaNT	Teachers will not mind if they have to enter daily scores on the electronic contact book.

# Research: Persona



**Name: Nguyen Van Tuan**

**Age: 40**

**Mobile system: IOS and Android**

## Background information

Mr. Tuan is currently a construction contractor, having one daughter in elementary school. Despite having time to care for and bringing his daughter to school, he still wants to know everything about his children's education and doesn't want to miss any announcements from school.

## Needs

- Never miss a notice
- Can check the information he wants by a quickly way
- Notices can be completed by automatically

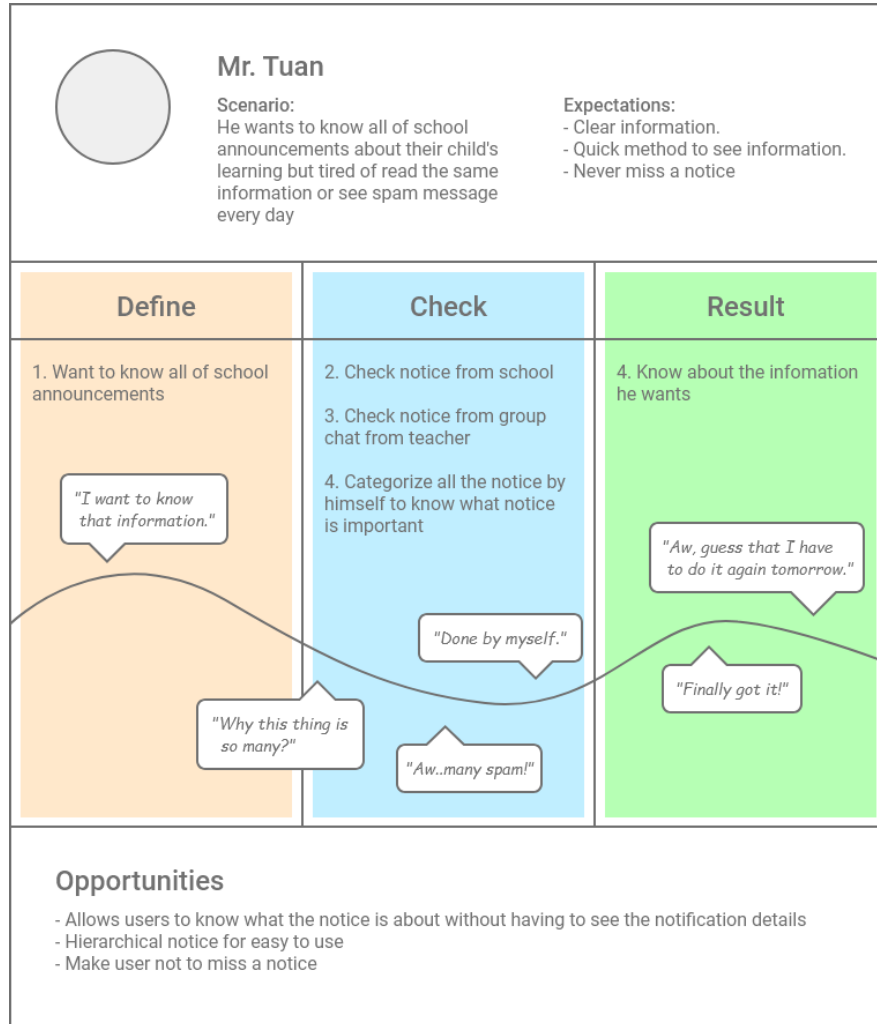
## Pain Points

- Too many information and notice from difference source
- Having to categorize all the notice by himself
- Too many spam message in group chat make him sometimes miss the notice
- Can't checking on his child daily activities at school quickly

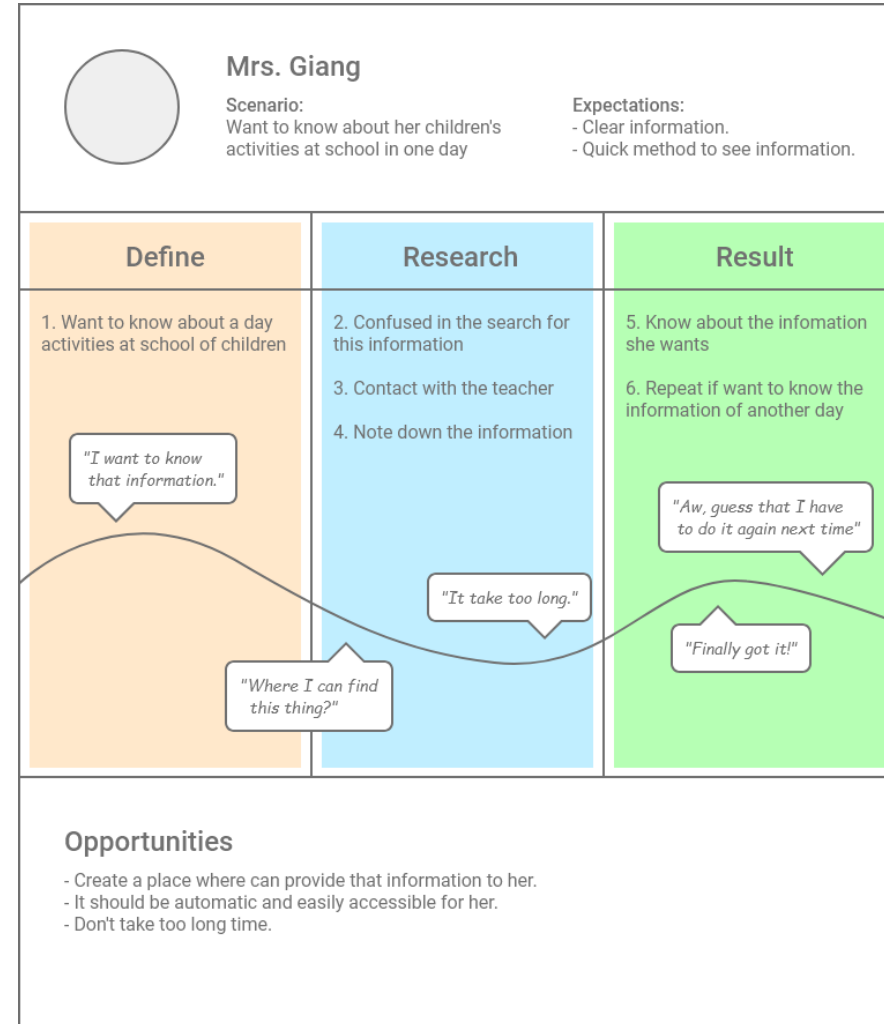
## Goals

- Systematic notifications for ease of use
- Create a way to help her quickly see the information he wants
- It should be automatic and easily accessible for him.

# Research: User Journey Mapping



View Notification



View Daily Activities



### 3. Specific Requirement



# Specific Requirements: Problems/Solutions

Users' Pain Points	Possible solutions
Have difficulty keeping track of their child's grades and assignments.	Create an application that can track and manage student's learning easily.
Worry about menu nutrition at school.	Provide information about the daily menu on the application.
Find it difficult to manage their child's go to school/home time.	Provide attendance information in a detailed and accurate manner.
Have difficulty in finding contact information with teachers.	Provide contact information with teachers on the application.
Parents are concerned about the quality of student transportation.	Provide detailed information about the timelines for transportation, with specific notifications of students getting in and out of the car and notice if something goes wrong.
Concerned about school violence.	Build the application into an official information channel between the school and parents, helping parents can contact teachers and the school quickly and reliably.
Sometimes missed notifications because often contact teachers through group chat of Zalo, Facebook.	There will be repeated reminders for push notifications, in case of emergency, there will be automatic SMS or direct notification call.
Not good at technology, have difficulty using complex applications.	Building applications is simple, effective and easy to use.
Doesn't know where to find information about child's homework and feels awkward having to ask teachers often about it.	Has the function of providing homework information.
Feel embarrassed about having to ask for information from teachers directly to update child's situation.	There is a specific notification function about the situation of school, class and individual students so that teachers can give suggestions and parents can easily access to their own comments about their child.

# Specific Requirements: Functional Requirements

Functions	
<b>Current account information</b>	<ul style="list-style-type: none"><li>• Displays the name of the student being displayed information application</li><li>• It is possible to change quickly to another student in case the parent has many children attending the same school</li></ul>
<b>Notifications</b>	<ul style="list-style-type: none"><li>• See announcement from the school.</li><li>• The notifications are clearly decentralized into school notices, grade notices, and individual announcements</li></ul>
<b>Transcript</b>	<ul style="list-style-type: none"><li>• See transcripts of student's subjects.</li><li>• There is an archive of the old school year transcript to review as needed.</li><li>• The interface will change accordingly depending on the elementary or junior high school student account.</li></ul>
<b>Attendance</b>	<ul style="list-style-type: none"><li>• See attendance information for each class.</li><li>• See attendance information and status notice of shuttle service.</li><li>• See attendance records for the whole school year.</li></ul>
<b>Timetable</b>	<ul style="list-style-type: none"><li>• View class Timetable by week.</li><li>• There are notes about upcoming school activities for the week.</li></ul>
<b>Menu</b>	<ul style="list-style-type: none"><li>• Daily menu information for students, can be week or month depending on the reality of the school.</li></ul>

# Specific Requirements: Functional Requirements

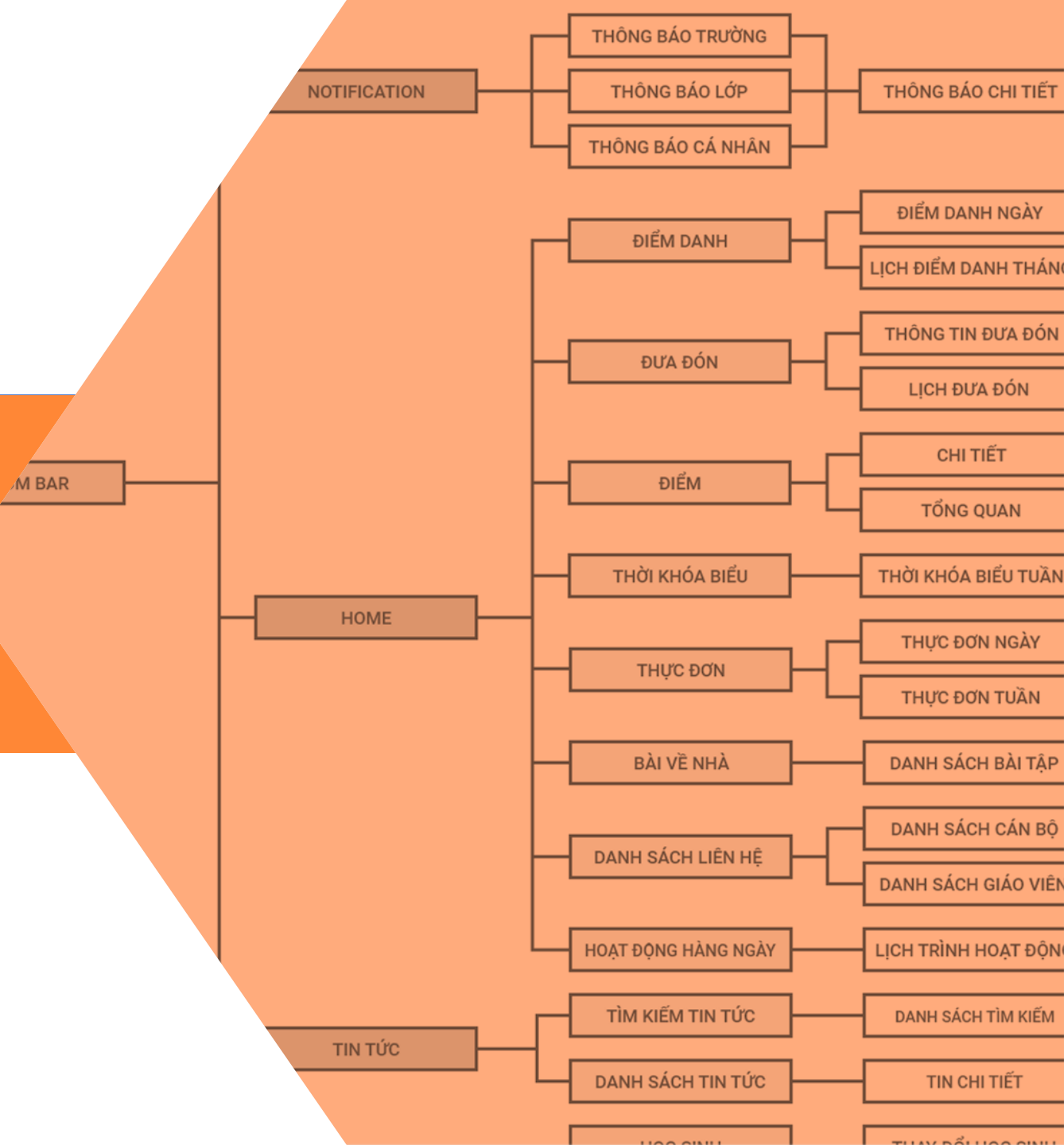
Functions	
<b>School Assistants list</b>	<ul style="list-style-type: none"><li>• View information about School Assistant such as: telephone, school's address,...</li></ul>
<b>Teachers list</b>	<ul style="list-style-type: none"><li>• View information about student's teachers, including contact information.</li></ul>
<b>News</b>	<ul style="list-style-type: none"><li>• School news or event information</li></ul>
<b>Application Information</b>	<ul style="list-style-type: none"><li>• About app update information</li></ul>
<b>Daily activity information</b>	<ul style="list-style-type: none"><li>• Information about daily activities and extracurricular programs organized by the school.</li></ul>
<b>Homework</b>	<ul style="list-style-type: none"><li>• Information about student's homework.</li><li>• Can download the attachment to your device or allow the browser to access website data.</li></ul>
<b>Log in/out</b>	<ul style="list-style-type: none"><li>• Log in/out.</li></ul>



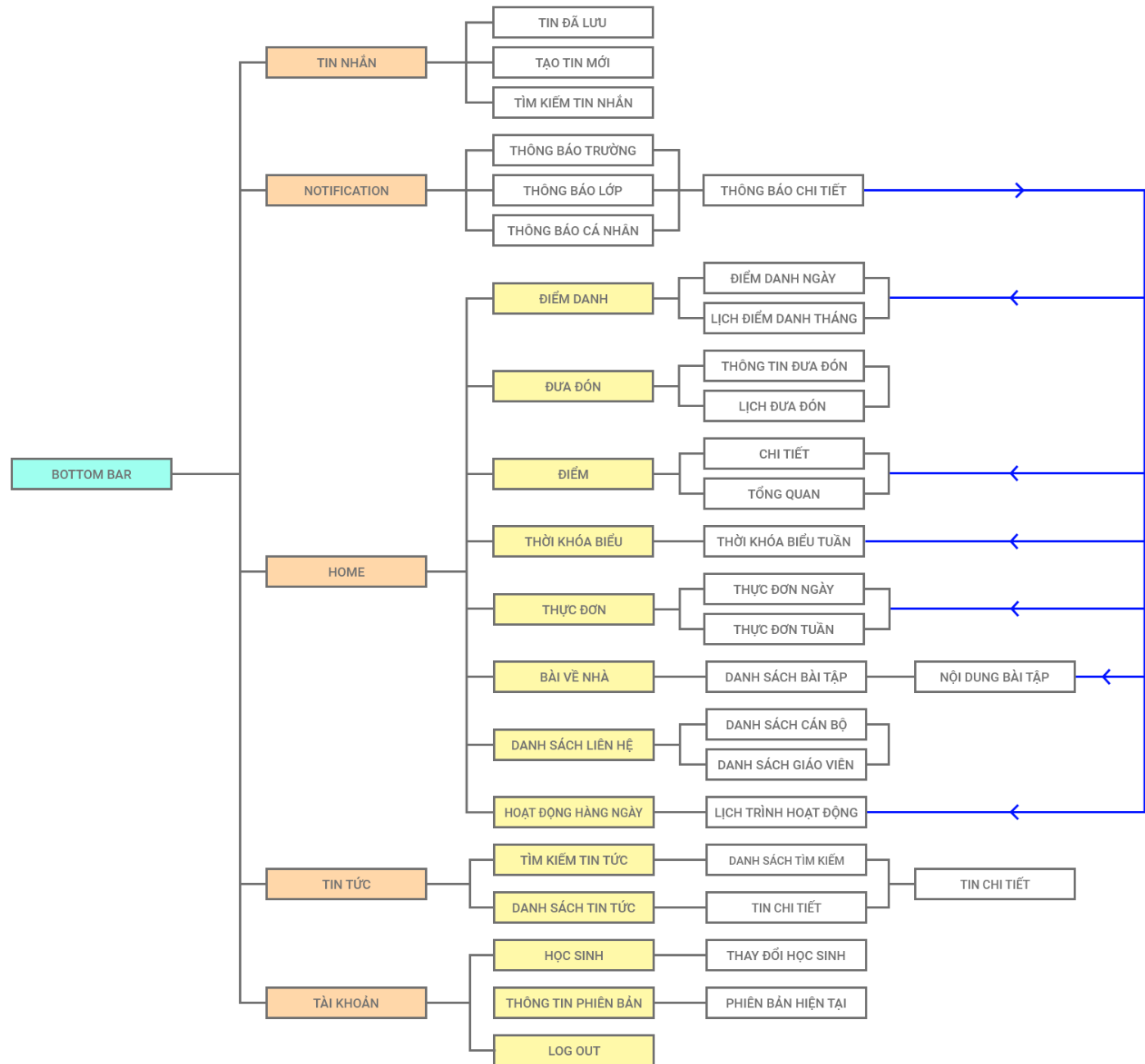
# Specific Requirements: Functional Requirements



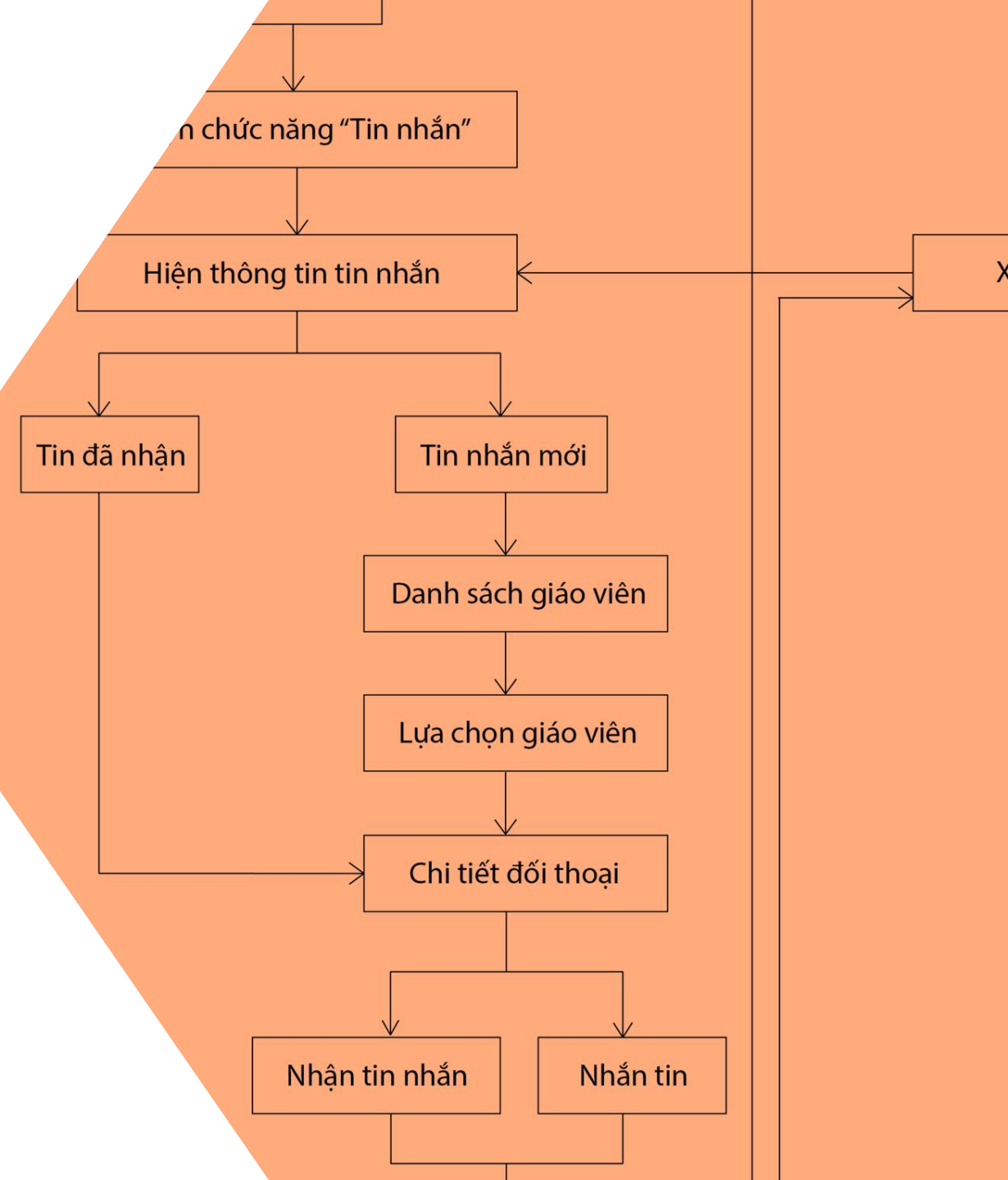
# 4. Sitemap



# Final Sitemap

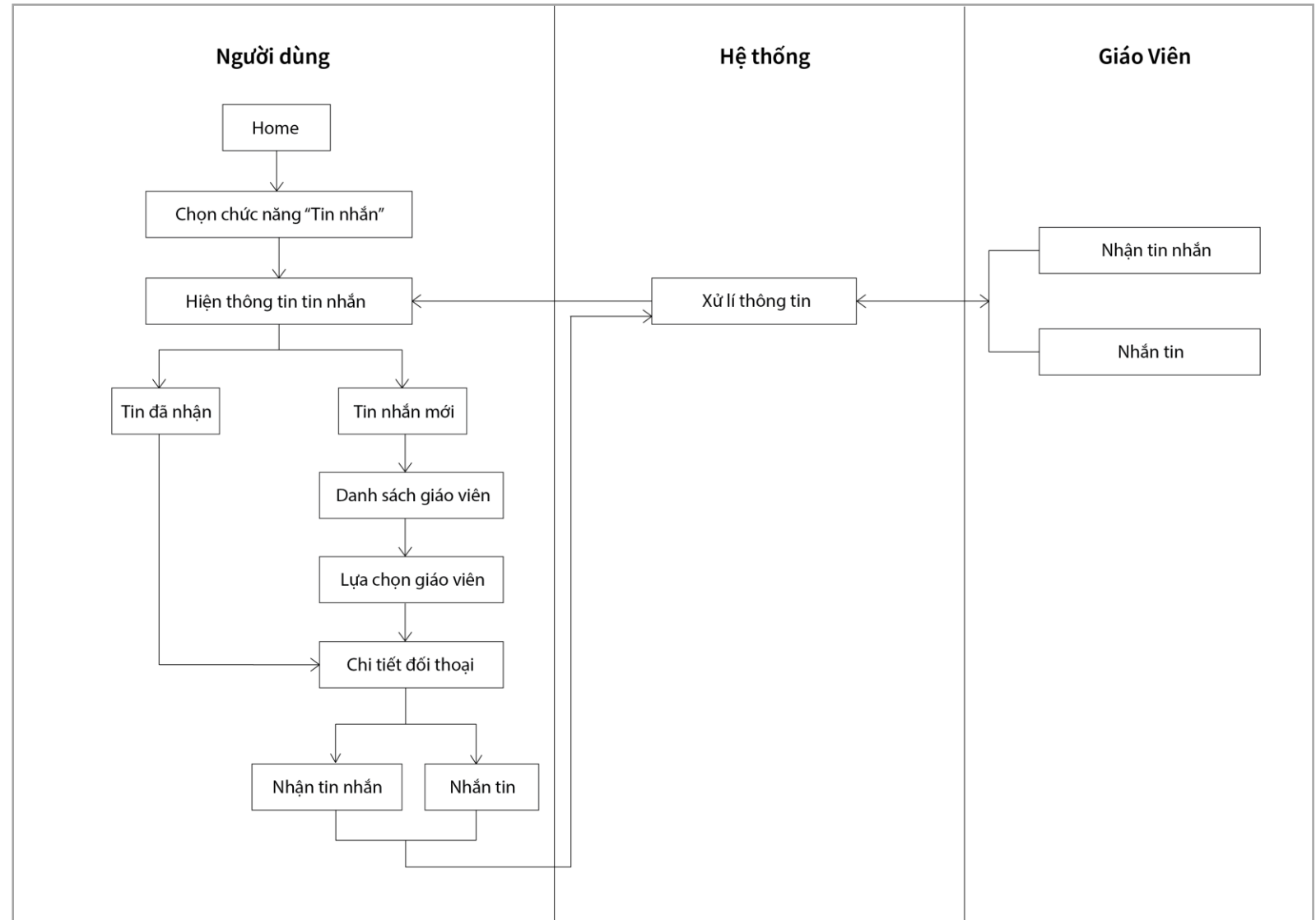


# 5. Workflow





# Workflow



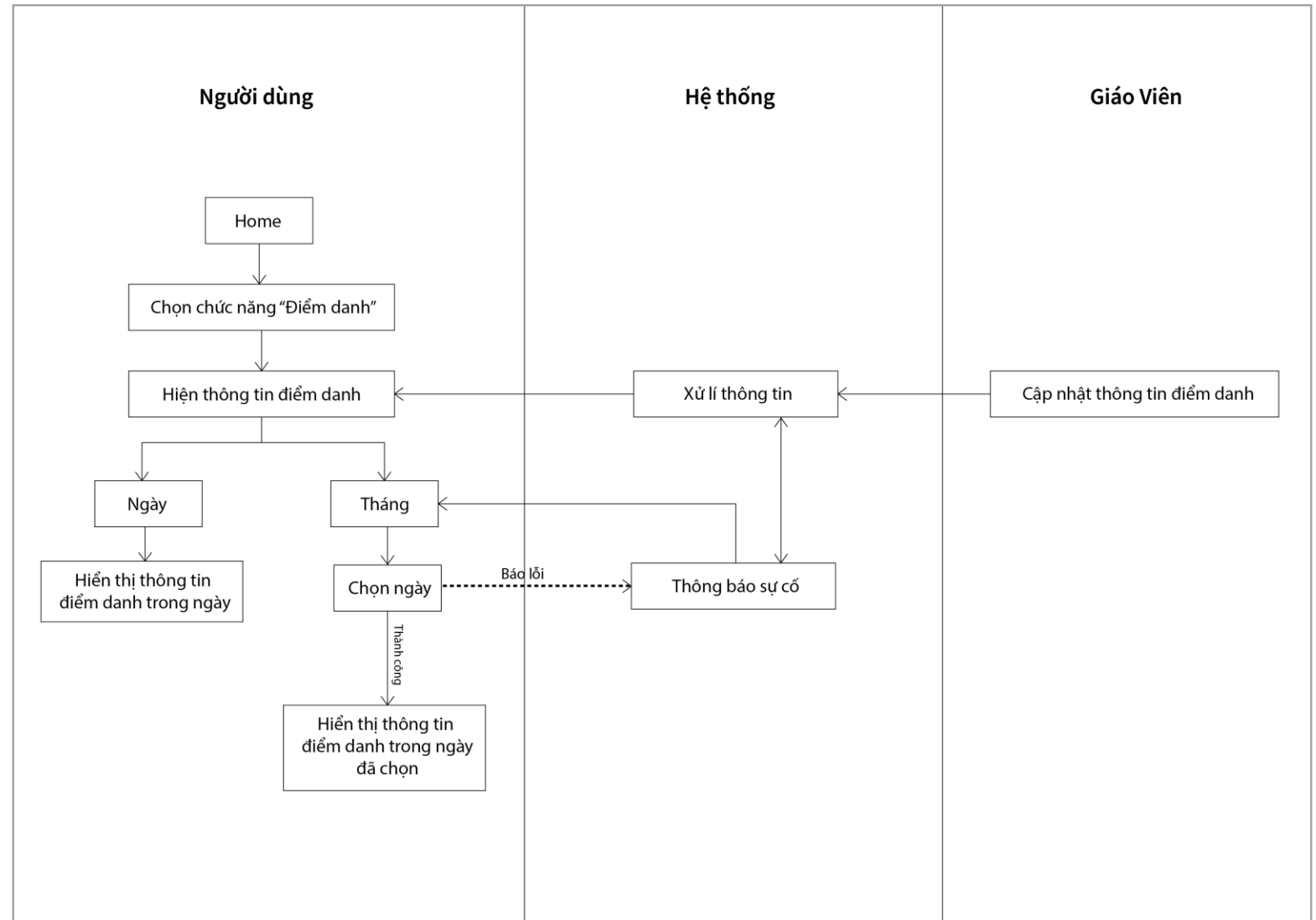
With proactive information, parents will be able to contact the teacher to request necessary information.

For example, for the texting function, parents will directly contact the teacher to collect the necessary information about the student actively. Teachers will also be able to actively contact each parent through the app's messaging function.

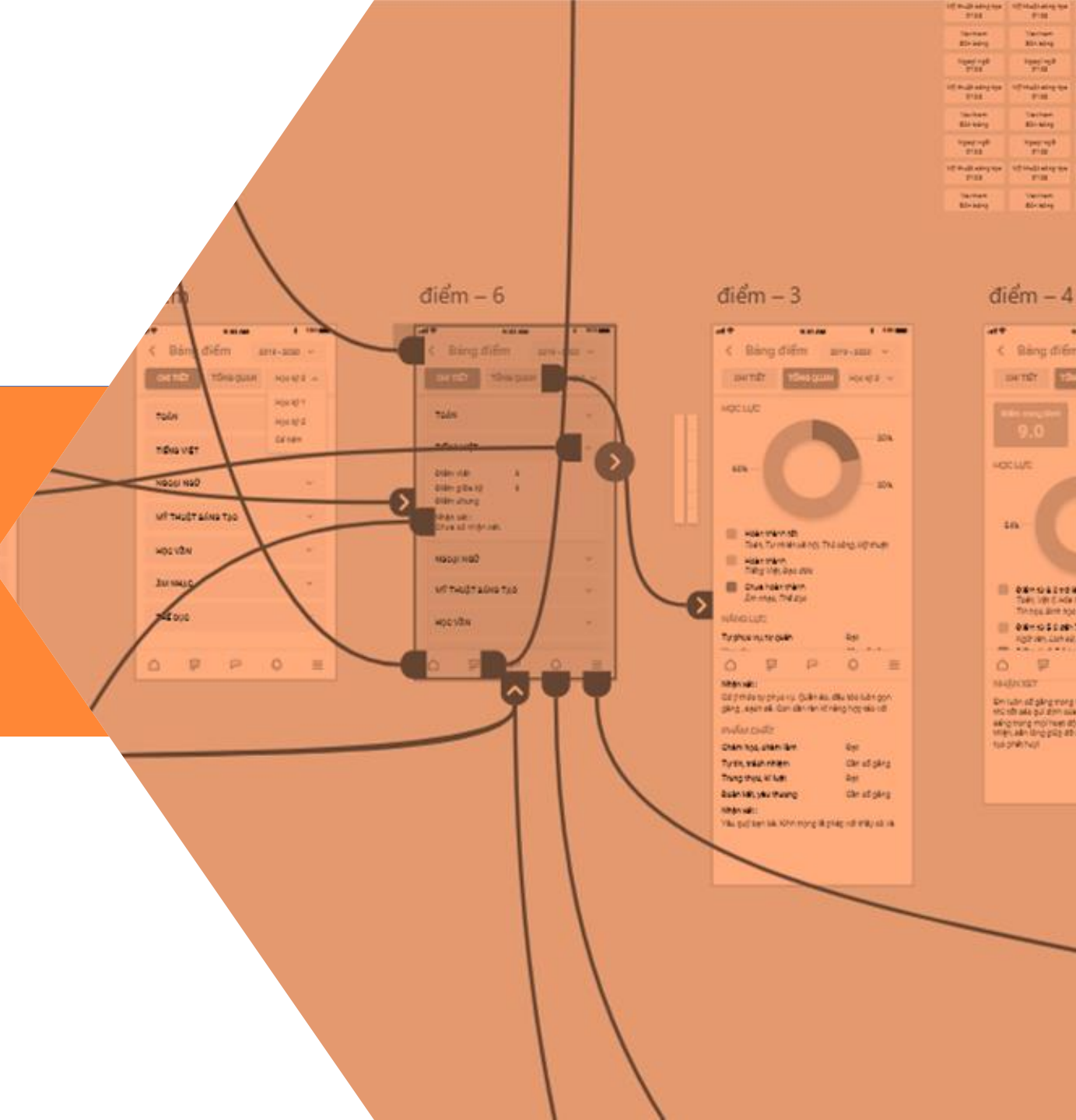
# Workflow

We classify information types of applications into two main information flows: active information and passive information.

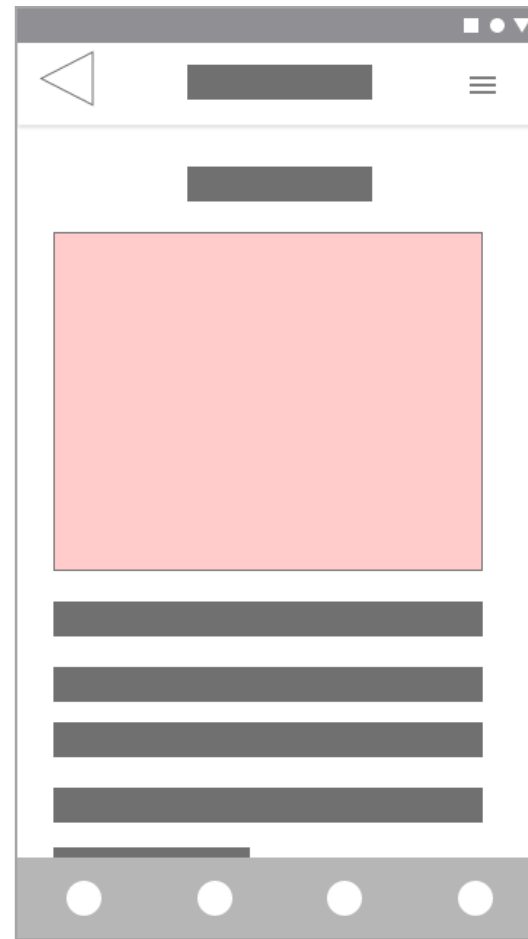
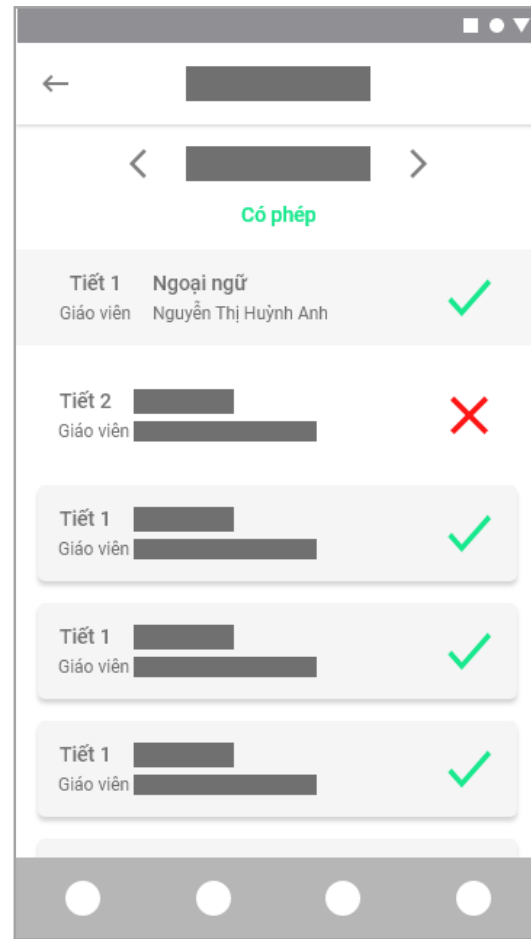
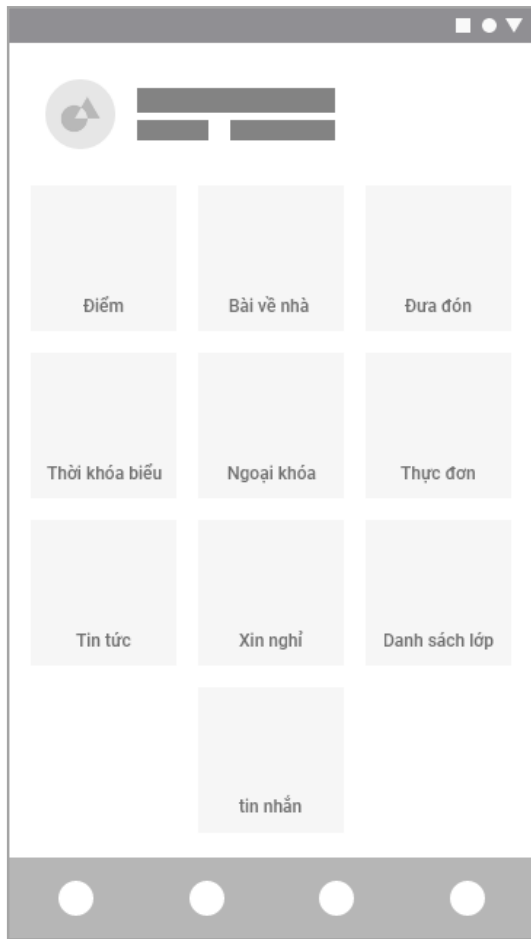
With passive information, users can only view the information the school has provided in the application. For example, by checking attendance information, parents will know attendance information after the school has provided data on the application. Parents will access the application to view information.



# 6. UI Design



# UI Design: Lo-fi Prototype



# UI Design: First Testing

Day of the Test: 22/10/2019  
Checking for the 1<sup>st</sup> Prototype

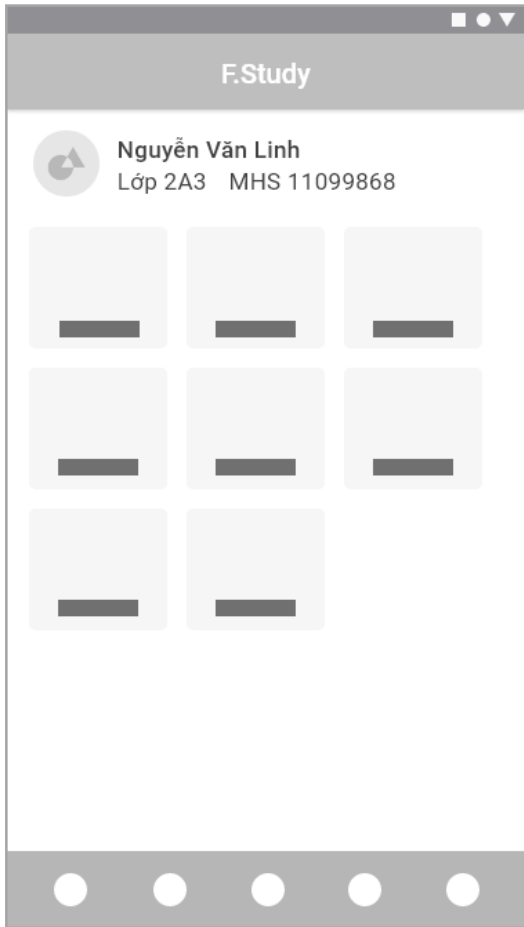
- **Schedule**
  - Adding more details about the main classroom
  - Modify the schedule, add a function that can view the schedule by month
  - Adding class information right below the lesson information
  - Include a club activity schedule with the weekly schedule
- **Homework**
  - Add subject names, subject tags to the exercise information
- **Transcript**
  - There is an option to view information for each school year, which will reset the fixed year after exiting the function
  - Add a summary of points and comments at the end of the school year
  - Divided into two categories as detailed and general points
- **Contact list**
  - Change the information about the student list to contact information with the school

- **Menu**
  - There is a reminder when there is a change in the menu
  - There is a section to contact the student to report and change the menu with cases of students' allergies
- **Attendance**
  - More lessons for club activities
  - Add time frames for each lesson





# UI Design: Wireframe



Homepage



Menu

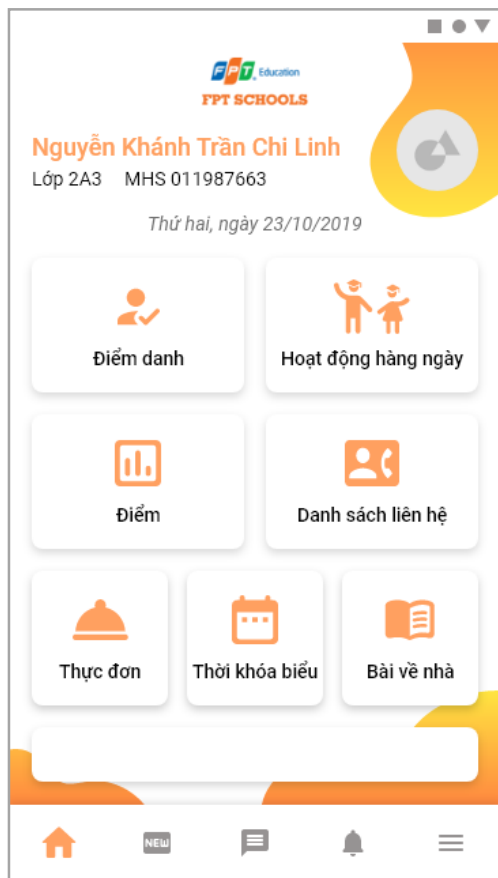


Timetable

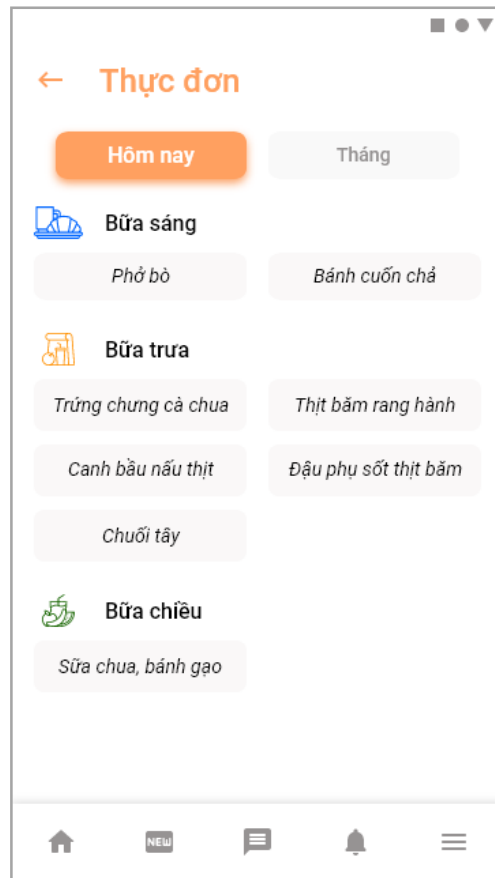


Attendance

# UI Design: First Visual Design



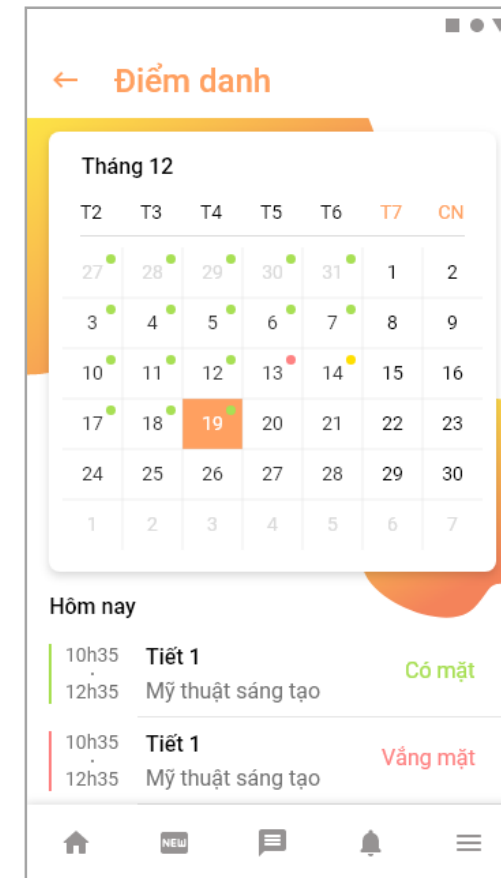
Homepage



Menu



Timetable



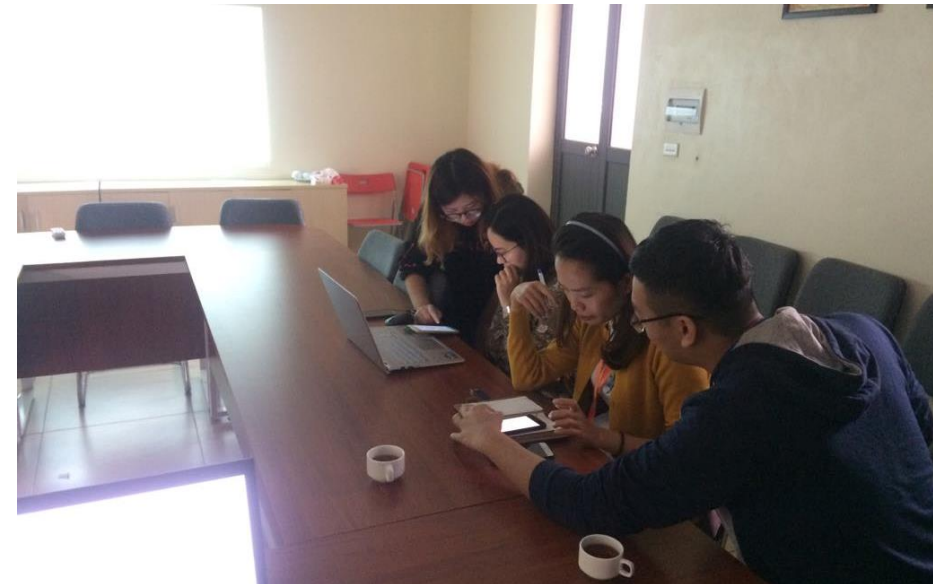
Attendance

# UI Design: Second Testing

Day of the Test: 2/11/2019

Checking for the wireframe and First Visual Design

- Homework
  - Add the day / week / month picker
- Homepage
  - Fix the student photo block's background
  - Highlight the date
- Teacher contact list
  - Edit the title of the teacher shortened message
  - Additional subjects taught in the message header



# UI Design: Logo

- Idea



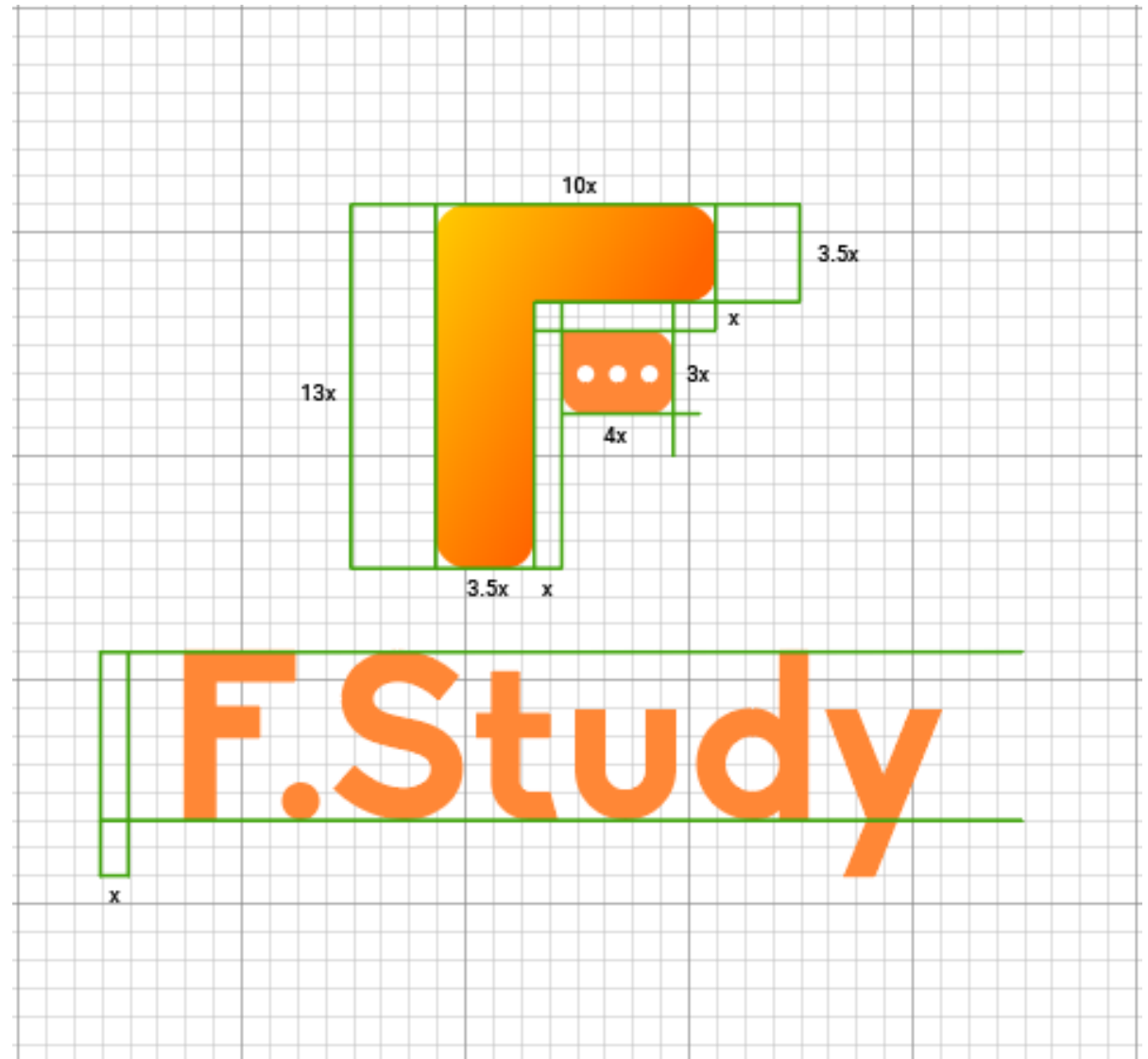
Inspired by the distinctive letter F of FPT education system and the exchange and announcement block, we created the F.Study logo with the message of becoming a bridge, a source of information between parents, teachers and the school.

- Color



- Typography

**Biko bold**

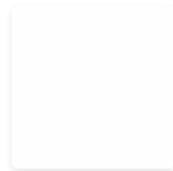


# UI Design: Typography and Color palette

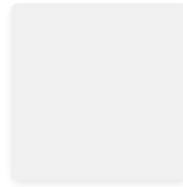
## Base Colors



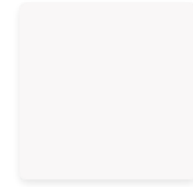
#FFA060



#FFFFFF



#F1F1F1



#FAF8F8

## Typography & icons



#000000



#707070



#969393

## Primary Colors



#FDDD00



#B4E46D



#FE8282

## Secondary Colors



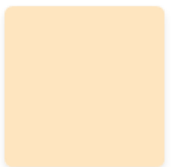
#84B9FD



#B1D3FF



#D0F7FD



#FFE6C0



#DAFFB9



# UI Design: Typography and Color palette

## Title - 34px

Font Weight-	<b>Bold</b>	Line Spacing-	<b>72px</b>	Character Spacing-	<b>16</b>
--------------	-------------	---------------	-------------	--------------------	-----------

## Subtitle1 - 24px

Font Weight-	<b>Medium</b>	Line Spacing-	<b>61px</b>	Character Spacing-	<b>16</b>
--------------	---------------	---------------	-------------	--------------------	-----------

## Subtitle2 - 20px

Font Weight-	<b>Medium</b>	Line Spacing-	<b>61px</b>	Character Spacing-	<b>16</b>
--------------	---------------	---------------	-------------	--------------------	-----------

## Body2/Menu - 17px

Font Weight-	<b>Medium</b>	Line Spacing-	<b>61px</b>	Character Spacing-	<b>16</b>
--------------	---------------	---------------	-------------	--------------------	-----------

## Button/Body3 - 15px

Font Weight-	<b>Medium</b>	Line Spacing-	<b>44px</b>	Character Spacing-	<b>16</b>
--------------	---------------	---------------	-------------	--------------------	-----------

## Body1 - 15px

Font Weight-	<b>Regular</b>	Line Spacing-	<b>38px</b>	Character Spacing-	<b>16</b>
--------------	----------------	---------------	-------------	--------------------	-----------

## Menu2 - 13px

Font Weight-	<b>Medium</b>	Line Spacing-	<b>29px</b>	Character Spacing-	<b>16</b>
--------------	---------------	---------------	-------------	--------------------	-----------

## Body4 - 13px

Font Weight-	<b>Regular</b>	Line Spacing-	<b>29px</b>	Character Spacing-	<b>16</b>
--------------	----------------	---------------	-------------	--------------------	-----------

## Caption2 - 13px

Font Weight-	<b>Italic</b>	Line Spacing-	<b>29px</b>	Character Spacing-	<b>16</b>
--------------	---------------	---------------	-------------	--------------------	-----------

Aa

Roboto Regular

Aa

*Roboto Italic*

Aa

Roboto Medium

Aa

**Roboto Bold**

# UI Design: Buttons and other elements

## ● Menu buttons

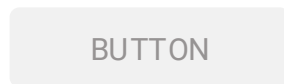
Corner : 5  
Height : 40px

The length varies depending on the function or screen ratio

Active



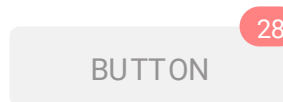
Inactive



Have new notifications



*Less Than 10*



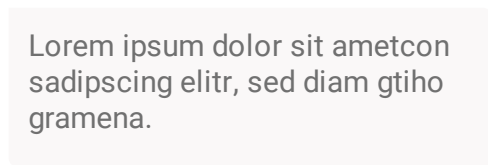
*From 10 To 99*



*More than 99*

## ● Bubble chat

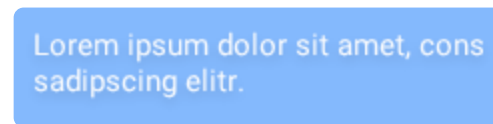
From Other



Diameter : 60px  
Shadow : 0x 3y 6b #000000 10%



From User



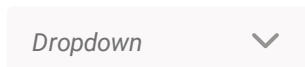
# UI Design: Buttons and other elements

## ● Dropdown

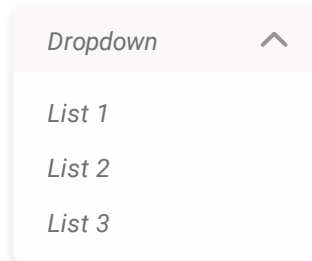
### List

The dropdown has the content in the form of a list.

Inactive



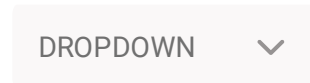
Active



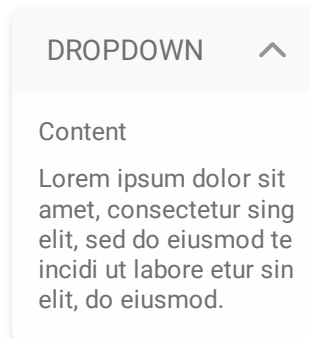
### Content

The dropdown has the content in the form of a list.

Inactive



Active

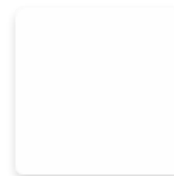


## ● Card View

### Normal Card

Corner : 5  
Shadow : 0x 3y 6b #000000 10%

Apply for cards like : calendars, news, active dropdown,...



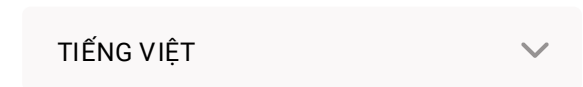
### Dropdown Card

Corner : 5

Apply to dropdown card when it is in active.



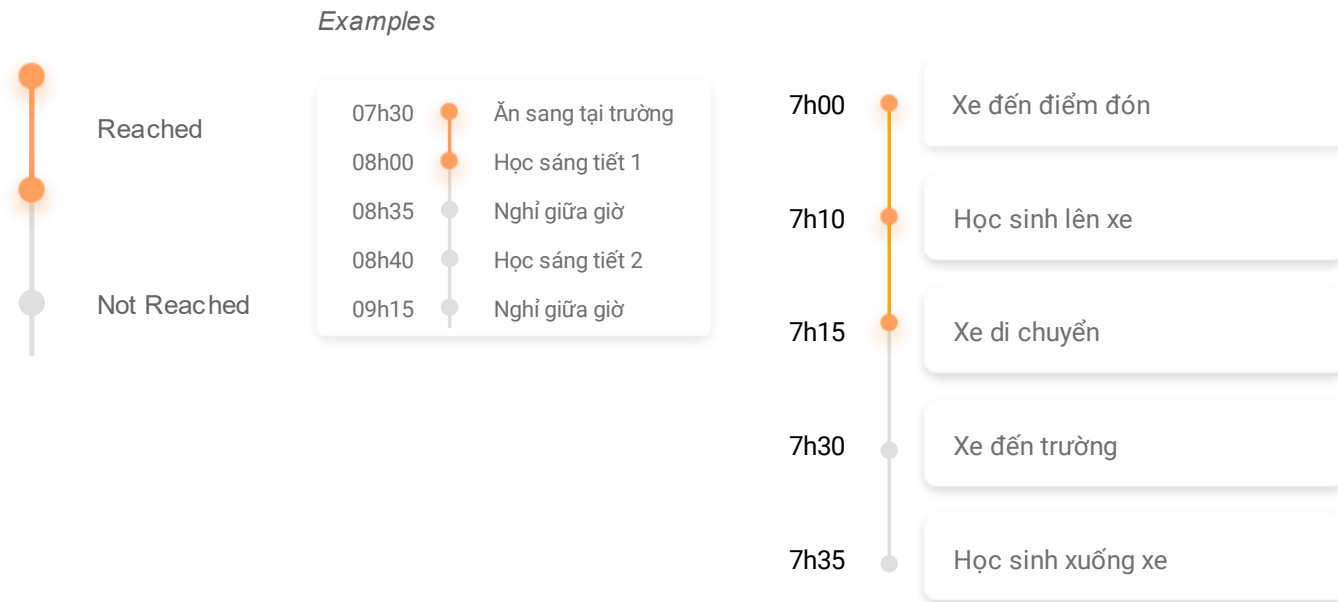
*Examples*



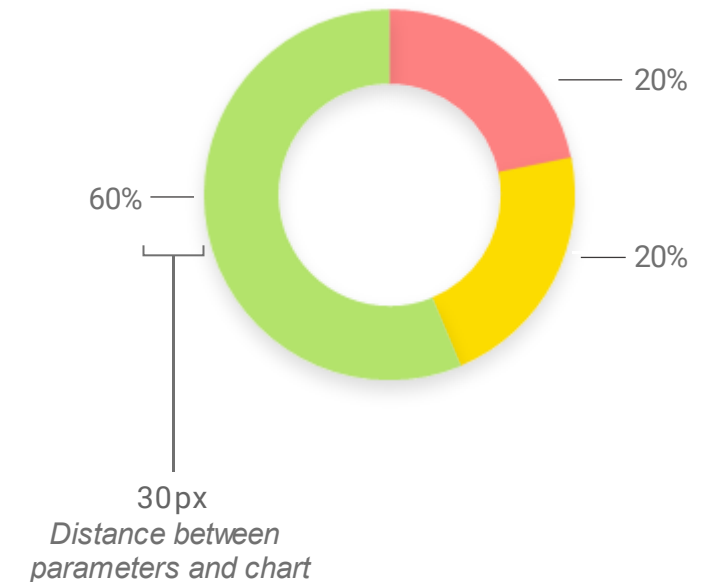
*Examples*

# UI Design: Buttons and other elements

## ● Process Bar



## ● Chart



# UI Design: Icons

## ● Bottom Bar

Size : 25x25 px



Active



Inactive



Have new notifications (only for Message & Notice icon)

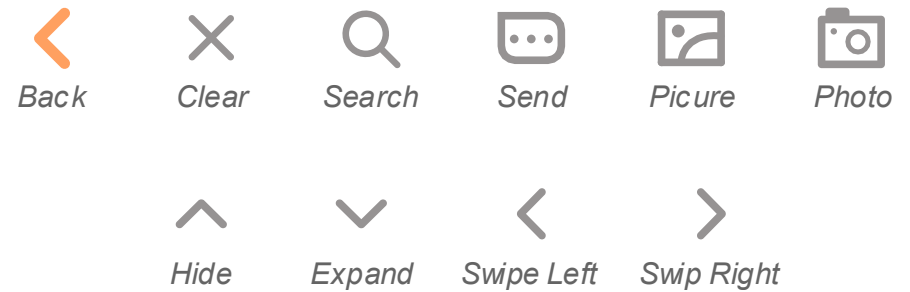


## ● Other icons

Size : ~54x36 px



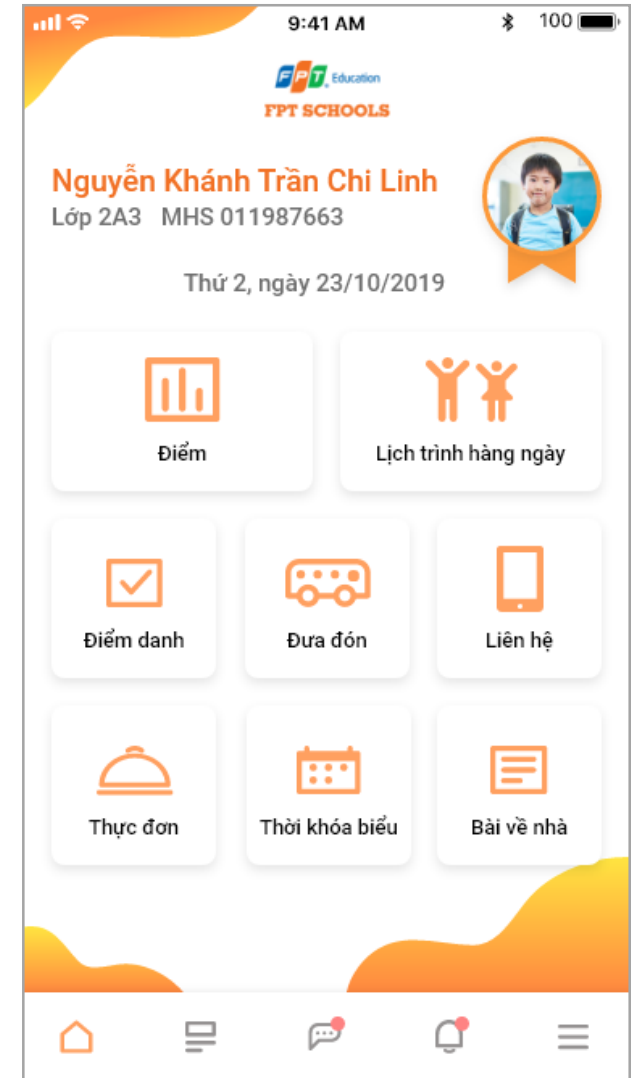
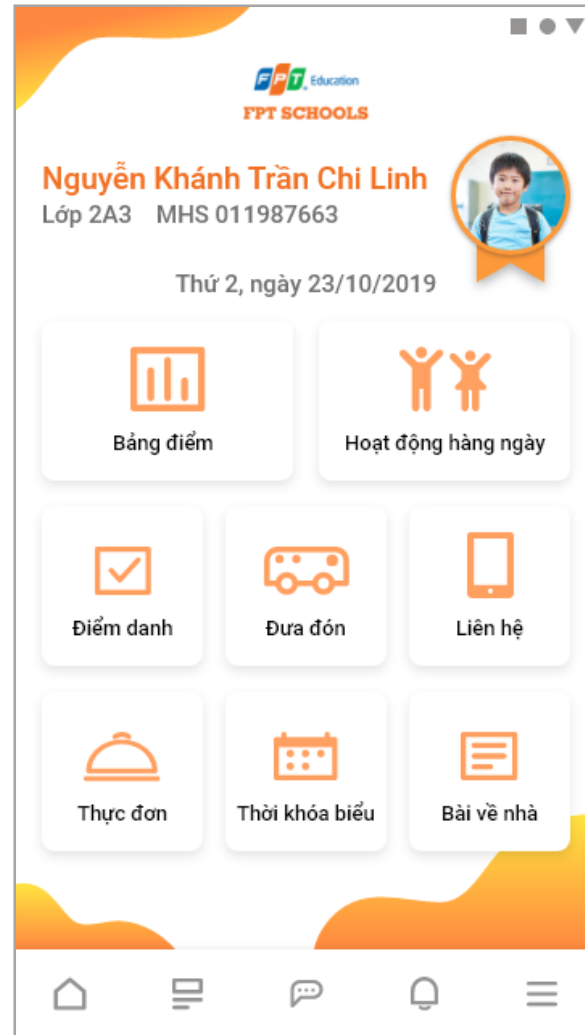
Size : 25x25 px



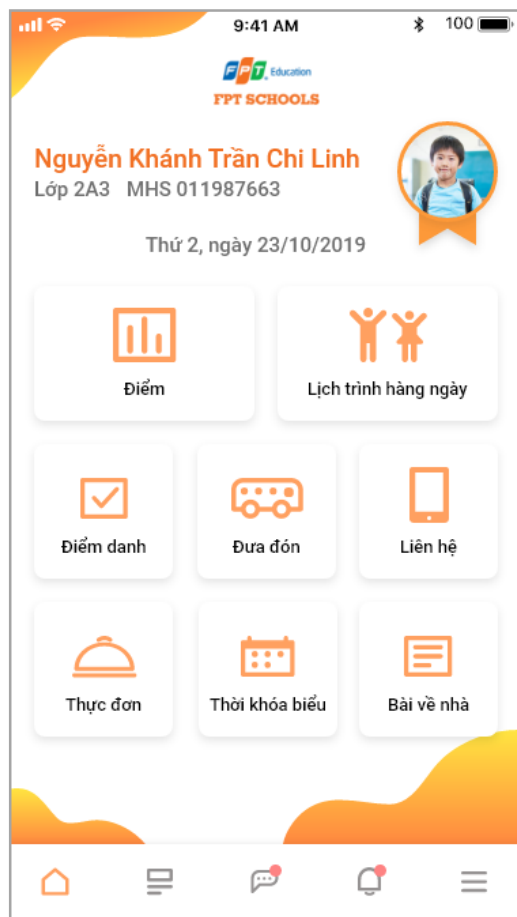


# UI Design: Second Visual Design

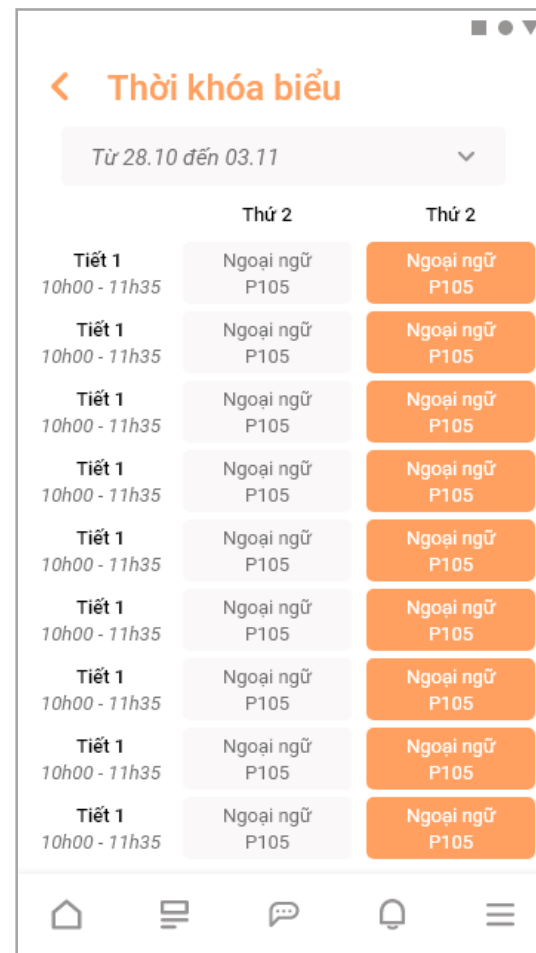
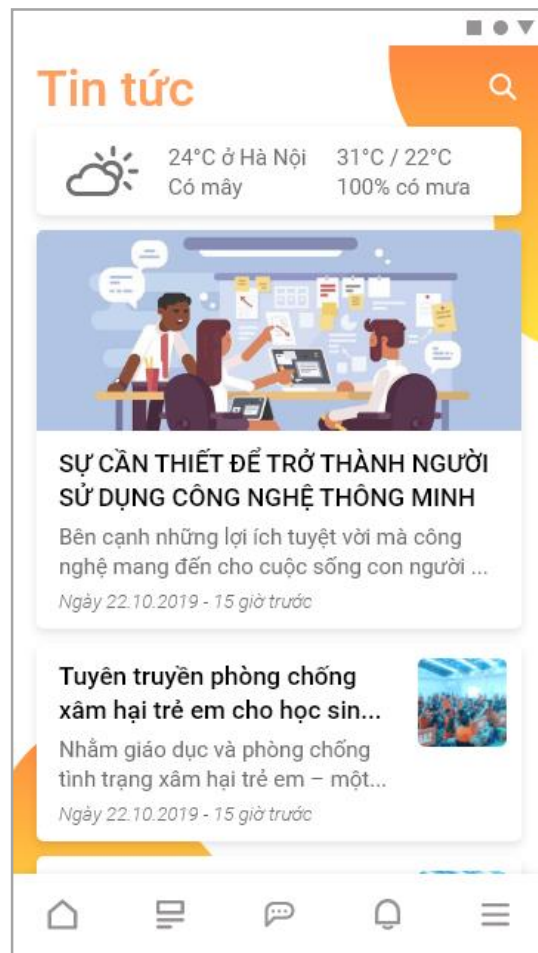
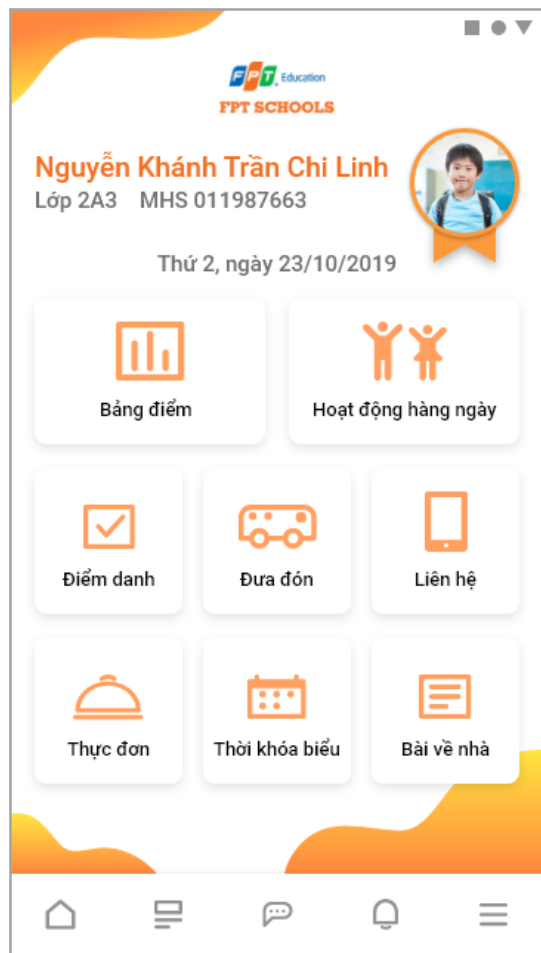
Because the two phones have different aspect ratios for Android and iOS, we have made some adjustments between the two versions to get the best product for each version.



# UI Design: Visual Design (IOS)



# UI Design: Visual Design (Android)



# UI Design: Online Testing

Nguyễn Ngọc Quy

Thiết kế đẹp quá. code và mờ mờ 😊👍 2

**Nhóm Phát Triển App FSCHOOL Cầu Giấy**

Nguyễn Thụy Nga

@Trung Hưng @Trần Khánh Linh trong phần hoạt động hàng ngày, chị muốn đổi màu. phần ăn sáng, ăn trưa, bữa xế chị muốn đổi màu để hiện thị cho rõ, em chọn màu và đồ giúp chị nhé

**Hoạt động hàng ngày**

Thứ tư, 27 tháng 11 năm 2019

7:30	Ăn Sáng
8:00	Học Toán1.1
8:40	Học AnhGVVN1.1
9:20	Học AnhGVVN1.1
10:15	Học HV1.1
10:55	

11:20

Thực đơn

Hôm nay Tháng

11.11.2019 đến 17.11.2019

Thứ 5	Thứ 6
PhởTH	PhởTH
Bữa Sáng	BúnTH
CơmTH	CơmTH
ChaCa	ChaCa
Bữa Trưa	Đậu Phụ
Mắm Tôm	Mắm Tôm
Bữa Xế	Sữa

11:20

Thực đơn

Hôm nay Tháng

Bữa Sáng

PhởTH BúnTH

Bữa Trưa

CơmTH ChaCa Đậu Phụ

Mắm Tôm

Bữa Xế

Sữa

11:20

Tin tức

10.89°C ở San Francisco  
Trông sáng

Đổ ẩm 58%  
Tốc độ gió 6.2

XÉT TUYỂN  
THPT FPT  
THEO ĐIỂM THI  
SỐ ĐÓNG CÁN THO  
ĐĂNG KÝ NGAY

Chơi Halloween 3

Vừa chơi Halloween vừa nhận gửi "tiêu diệt rác thải"

11/13/2019 9:00:53 AM

Chơi Halloween 2

Vừa chơi Halloween vừa nhận gửi "tiêu diệt rác thải"

11/13/2019 9:00:49 AM

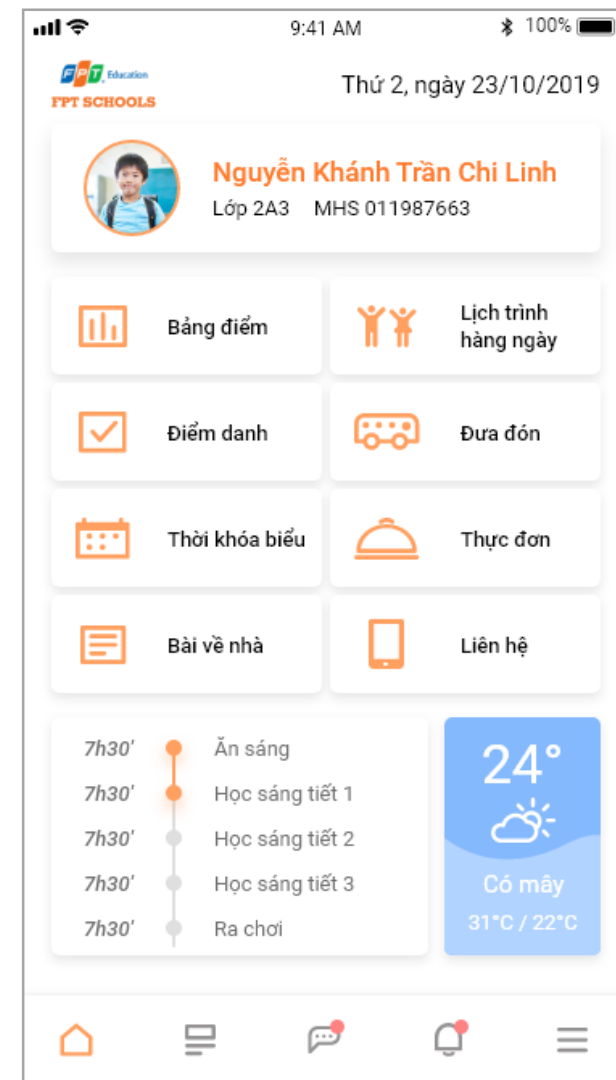
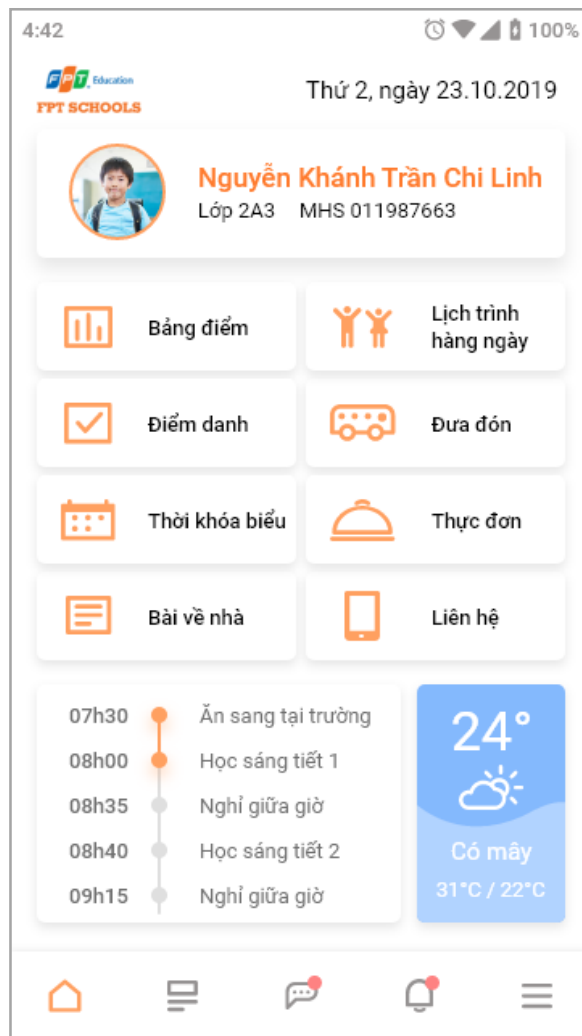
Chơi Halloween 1

Vừa chơi Halloween vừa nhận gửi "tiêu diệt rác thải"

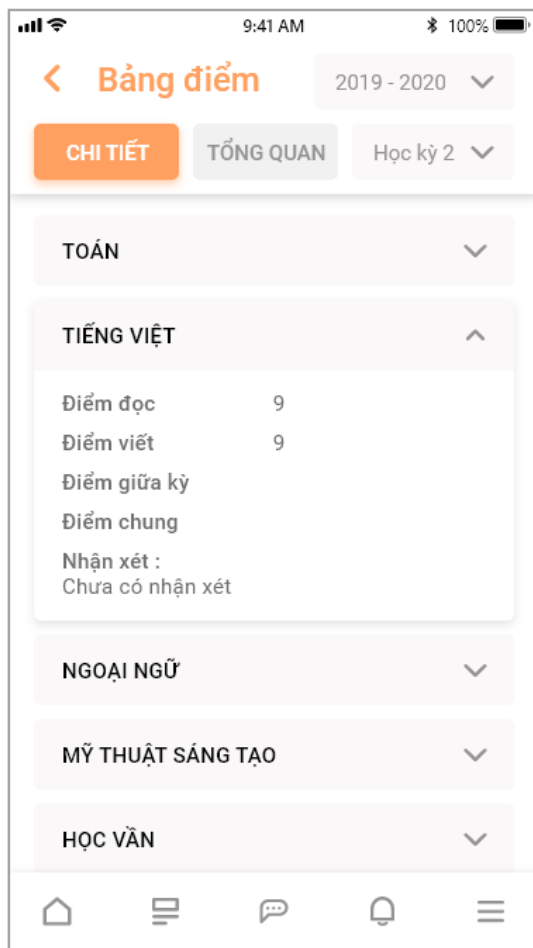
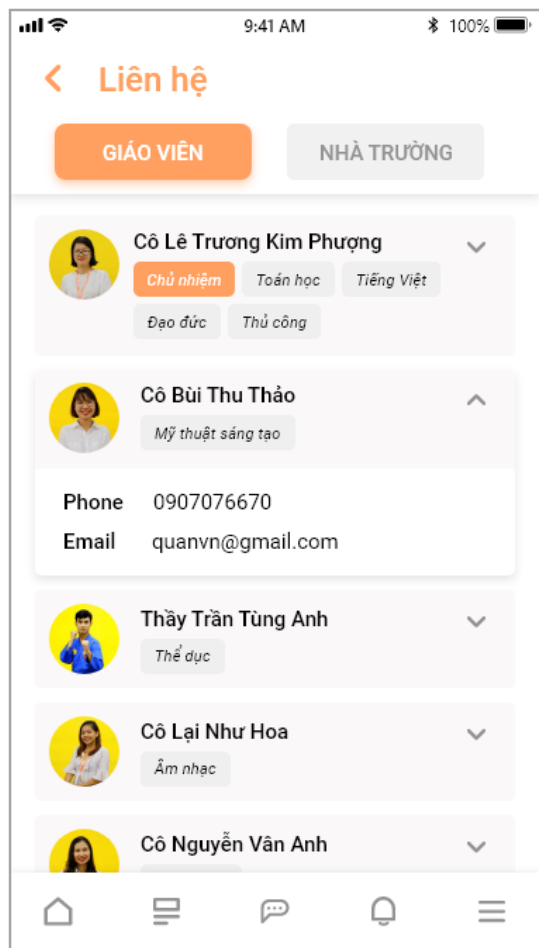
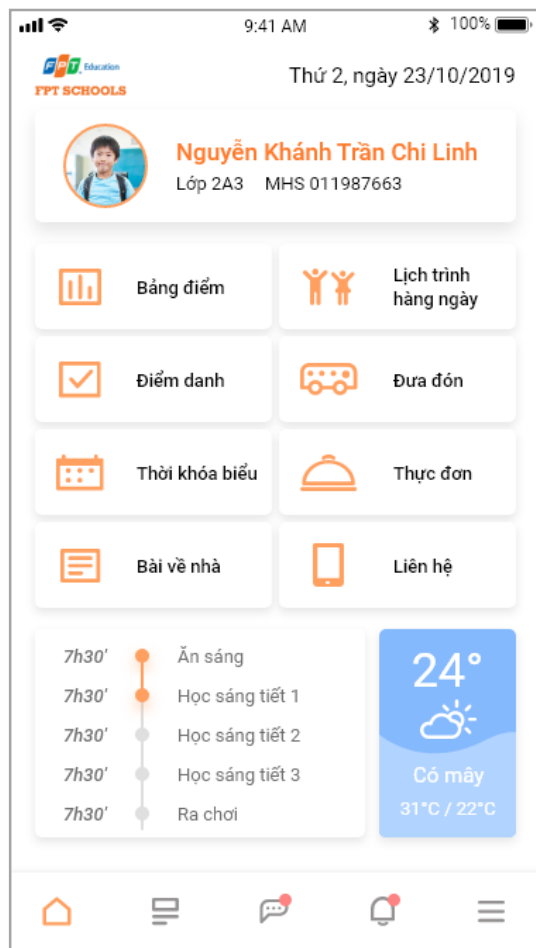
11/13/2019 9:00:36 AM

# UI Design: Final Visual Design

After considering the final suggestions and comments, we decided to make certain adjustments to improve our product. And here are the official design images for our products. Because the two phones have different aspect ratios for Android and iOS, we have made some adjustments between the two versions to get the best product for each version.

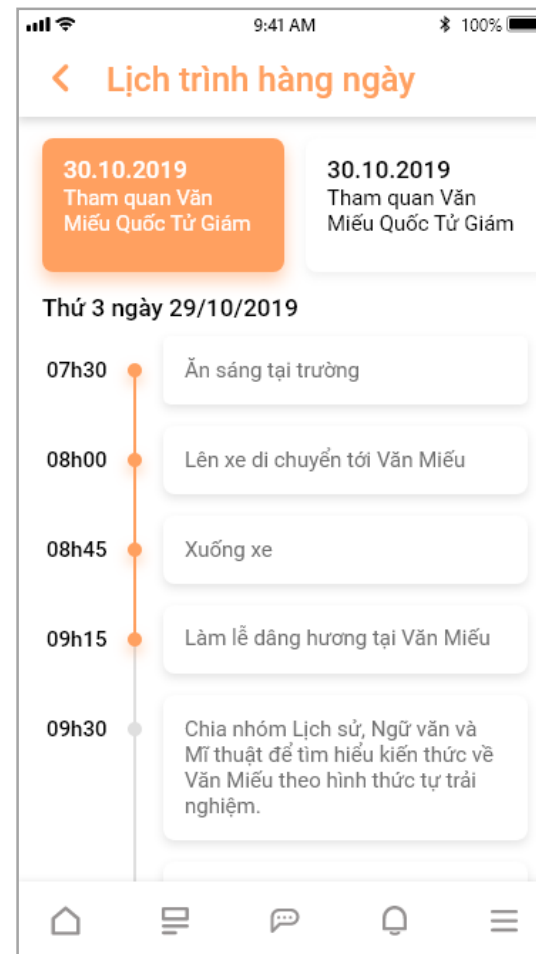
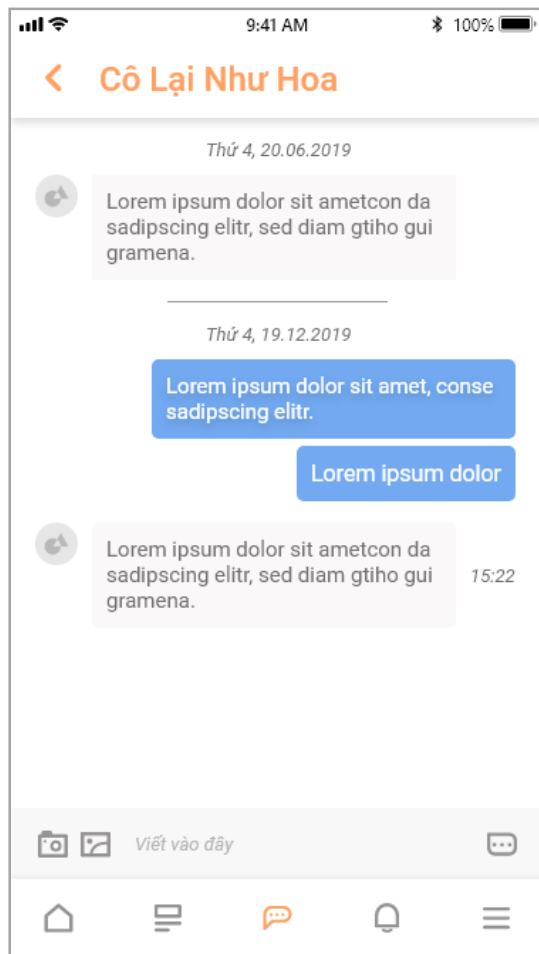
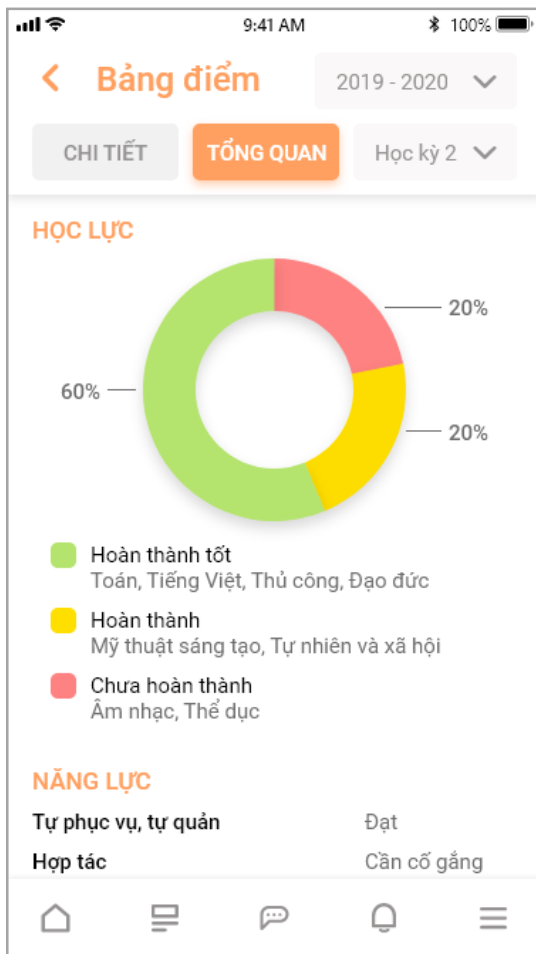


# UI Design: Final Visual Design (IOS)





# UI Design: Final Visual Design (IOS)






# UI Design: Final Visual Design (Android)



4:42 100%



FPT Education  
FPT SCHOOLS



Thứ 2, ngày 23.10.2019

 **Nguyễn Khánh Trần Chi Linh**  
Lớp 2A3 MHS 011987663

 **Bảng điểm**  **Lịch trình hàng ngày**

 **Điểm danh**  **Đưa đón**

 **Thời khóa biểu**  **Thực đơn**

 **Bài về nhà**  **Liên hệ**

07h30 Ăn sáng tại trường  
08h00 Học sáng tiết 1  
08h35 Nghỉ giữa giờ  
08h40 Học sáng tiết 2  
09h15 Nghỉ giữa giờ



**24°**  
Có mây  
31°C / 22°C



Home, List, Chat, Notification, Menu

4:42 100%



< **Danh sách liên lạc**



**GIÁO VIÊN** NHÀ TRƯỞNG

 **Cô Lê Trương Kim Phượng**   
**Chủ nhiệm** Toán học Tiếng Việt  
Đạo đức Thủ công

 **Cô Bùi Thu Thảo**   
Mỹ thuật sáng tạo


Phone 0907076670  
Email quanvn@gmail.com


 **Thầy Trần Tùng Anh**   
Thể dục


 **Cô Lại Như Hoa**   
Âm nhạc


Home, List, Chat, Notification, Menu

4:42 100%


< **Bảng điểm** 2019 - 2020 


**CHI TIẾT** TỔNG QUAN Học kỳ 2 

**TOÁN** 

**TIẾNG VIỆT** 

Điểm đọc 9  
Điểm viết 9  
Điểm giữa kỳ  
Điểm chung  
Nhận xét : Chưa có nhận xét


**NGOẠI NGỮ** 

**MỸ THUẬT SÁNG TẠO** 

Home, List, Chat, Notification, Menu

4:42 100%

< **Thời khóa biểu**

Từ 28.10 đến 03.11 

	Thứ 2	Thứ 3
<b>Tiết 1</b> 10h00 - 11h35	Tiếng Việt P105	Ngoại ngữ P105
<b>Tiết 1</b> 10h00 - 11h35	Tiếng Việt P105	Ngoại ngữ P105
<b>Tiết 1</b> 10h00 - 11h35	Toán P105	Toán P105
<b>Tiết 1</b> 10h00 - 11h35	Ngoại ngữ P105	Toán P105
<b>Tiết 1</b> 10h00 - 11h35	Ngoại ngữ P105	Đạo đức P105
<b>Tiết 1</b> 10h00 - 11h35	Thể dục Sân bóng	Tự nhiên và xã hội P105
<b>Tiết 1</b> 10h00 - 11h35	Mỹ thuật sáng tạo P105	STEM P105
<b>Tiết 1</b> 10h00 - 11h35	Âm nhạc P105	STEM P105
<b>Tiết 1</b> 10h00 - 11h35	STEM P105	Hướng dẫn học P105

Home, List, Chat, Notification, Menu

# UI Design: Final Visual Design (Android)

4:42 100%

< **Bảng điểm** 2019 - 2020

CHI TIẾT **TỔNG QUAN** Học kỳ 2

### HỌC LỰC

Trạng thái	Phần trăm
Hoàn thành tốt	60%
Hoàn thành	20%
Chưa hoàn thành	20%

- Hoàn thành tốt**  
Toán, Tiếng Việt, Thủ công, Đạo đức
- Hoàn thành**  
Mỹ thuật sáng tạo, Tự nhiên và xã hội
- Chưa hoàn thành**  
Âm nhạc, Thể dục

### NĂNG LỰC

Tự phục vụ, tự quản Đạt

4:42 100%

< **Cô Lại Như Hoa**

Thứ 4, 20.06.2019

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Thứ 4, 19.12.2019

Lorem ipsum dolor sit amet, cons sadipsjing elit.

15:22

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15:22

Viết vào đây

4:42 100%

## Tin tức

24°C ở Hà Nội  
Có mây

31°C / 22°C  
100% có mưa

### SỰ CẦN THIẾT ĐỂ TRỞ THÀNH NGƯỜI SỬ DỤNG CÔNG NGHỆ THÔNG MINH

Bên cạnh những lợi ích tuyệt vời mà công nghệ mang đến cho cuộc sống con người ...

Ngày 22.10.2019 - 15 giờ trước

### 15 phút trò chuyện cùng tay trống nhí Đức Duy trường F

"Con "cuồng" trống. Trống giúp con tìm được bản thân và giải tỏa ch...

Ngày 22.10.2019 - 15 giờ trước

4:42 100%

< **Lịch trình hàng ngày**

**29.10.2019**  
Tham quan Văn Miếu Quốc Tử Giám

**30.10.2019**  
Tham quan Vườn hoa Lý Thái Tổ

### Thứ 3 ngày 29/10/2019

07h30 Ăn sáng tại trường

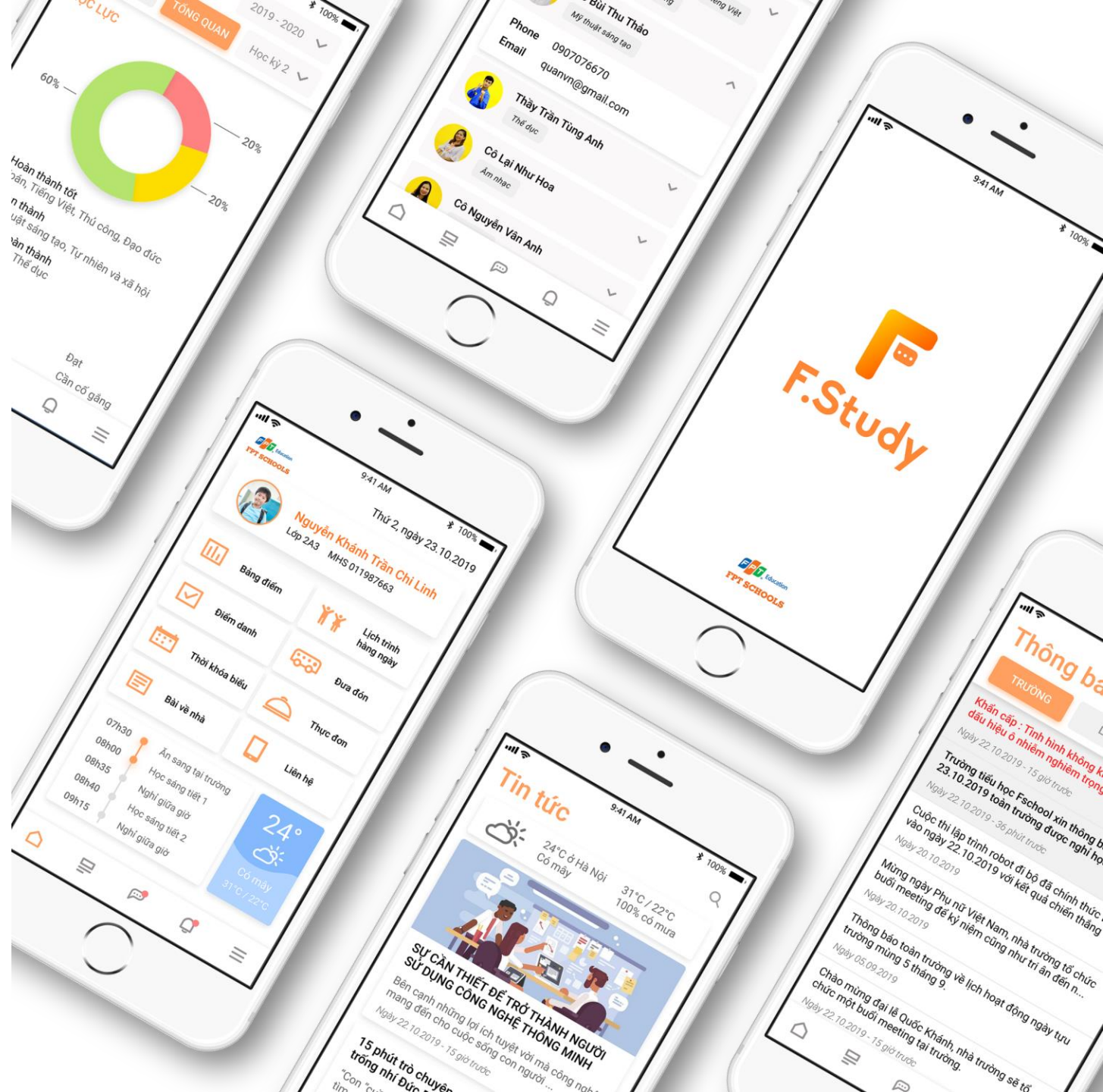
08h00 Lên xe di chuyển tới Văn Miếu

08h45 Xuống xe

09h15 Làm lễ dâng hương tại Văn Miếu

09h30 Chia nhóm Lịch sử, Ngữ văn và Mĩ thuật để tìm hiểu kiến thức về Văn Miếu theo hình thức tự trải nghiệm.

Thank you!





# 7. Q&A

