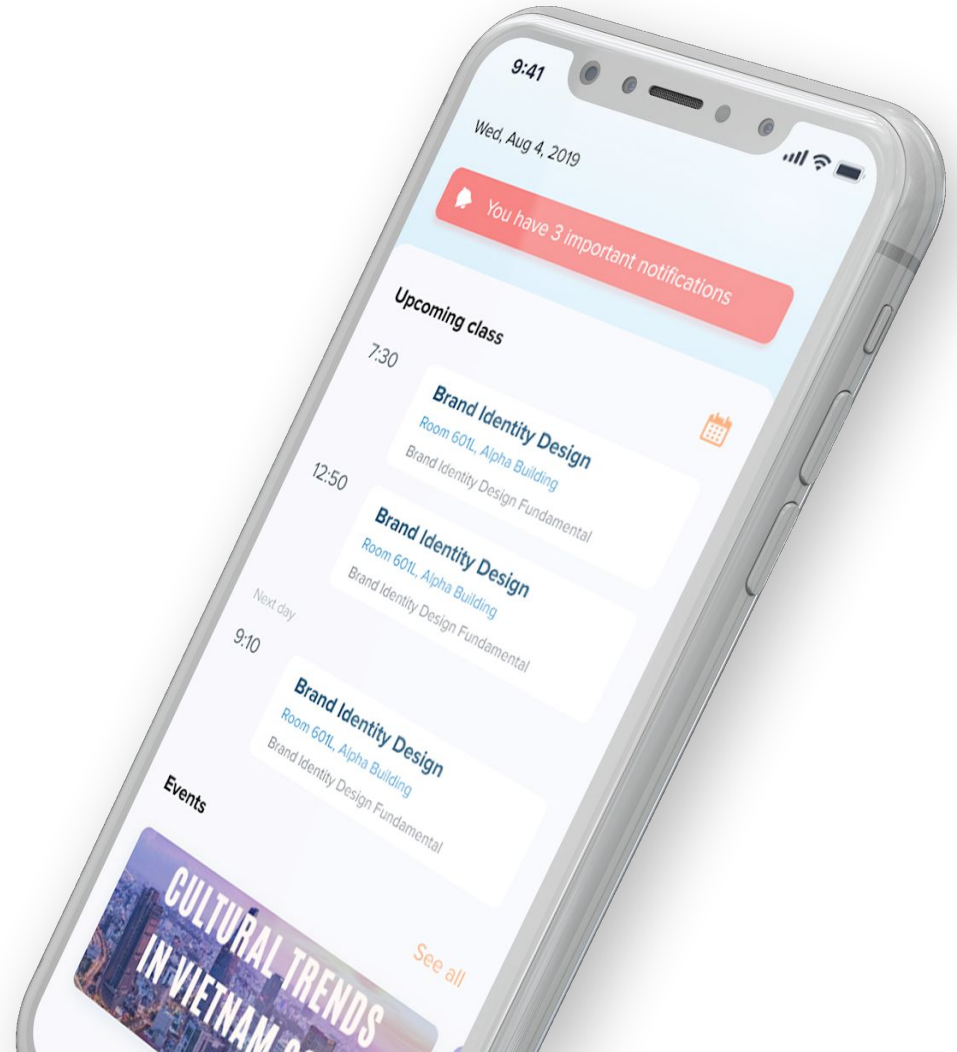


Application design for **STUDENT ACADEMIC PORTAL**

Students: Vu Duc Anh Quan - Pham Tuan Anh
Advisor: Bui Van Phat



CONTENT

1. INTRODUCTION

2. RESEARCH

3. DESIGN

4. FUNCTION SIMULATION

5. Q&A

PART 1

INTRODUCTION

About **Student Academic Portal** Application

About the project?

Student Academic Portal aim to improve student experience when using FPT University student portal on mobile devices



Project's Goal

Improve user experience on using student academic portal on mobile devices

Made an useful app students can use everyday

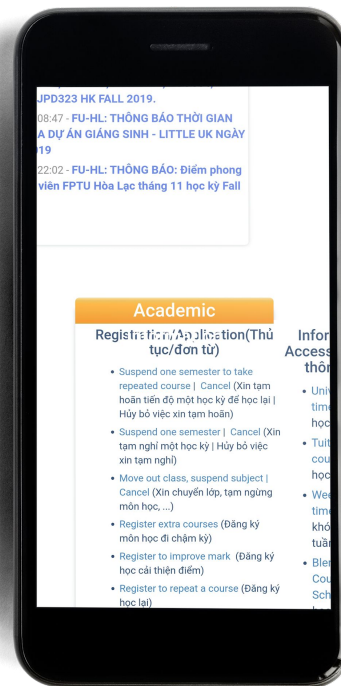
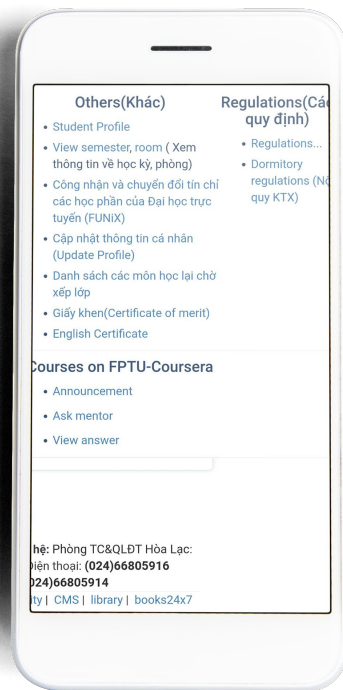
PART 2

RESEARCH

Problems Assumption

Current site problems

Website UI isn't optimize for mobile devices



Problems Assumption

Students problems

- **Education**
 - + Learning resources are hard to approach
 - + Lack of communication environment for study
- **Student's Life**
 - + Payment method for student life services is not flexible
 - + Lack of communicate environment between students and dorm manager department
- **University services**
 - + Lack of description, students still have to make applications offline
 - + Tracking feature is unclear, doesn't have notification, students have to check manually



RESEARCH

Survey

Investigation time

From 7.10.2019 to 12.10.2019

Survey form

Online Form (Made with Google form)

Target user

Students attending FPT University

Purpose on survey

Confirm the accurate of assumed problems

Type of question we used

Question about student experience on current site

Question about student struggles

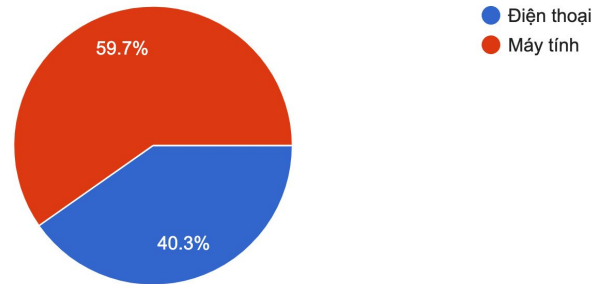
Features they want add and improve when it comes to mobile

Survey

- Students **prefer to use FAP on personal computers rather than on mobile devices**
- Reason: Site display better on desktop browser

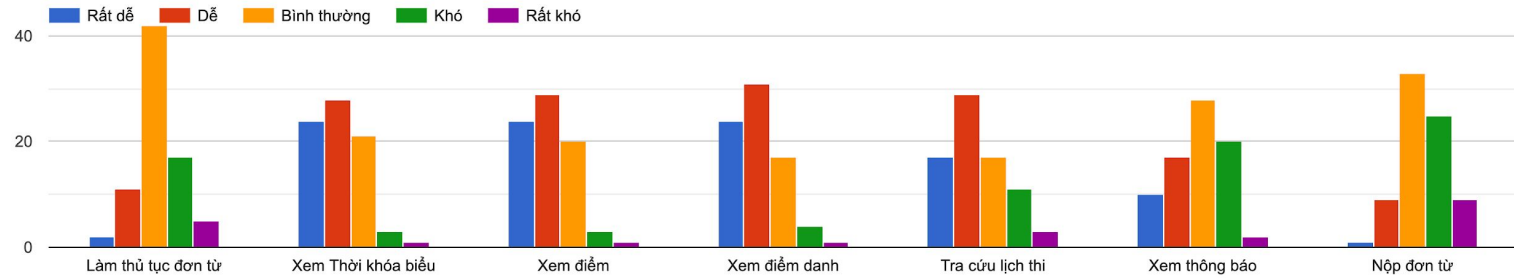
2. Bạn thường truy cập FAP bằng điện thoại hay máy tính ?

77 responses



Survey

4. Đánh giá mức độ khó khăn khi sử dụng các tính năng trên trang FAP



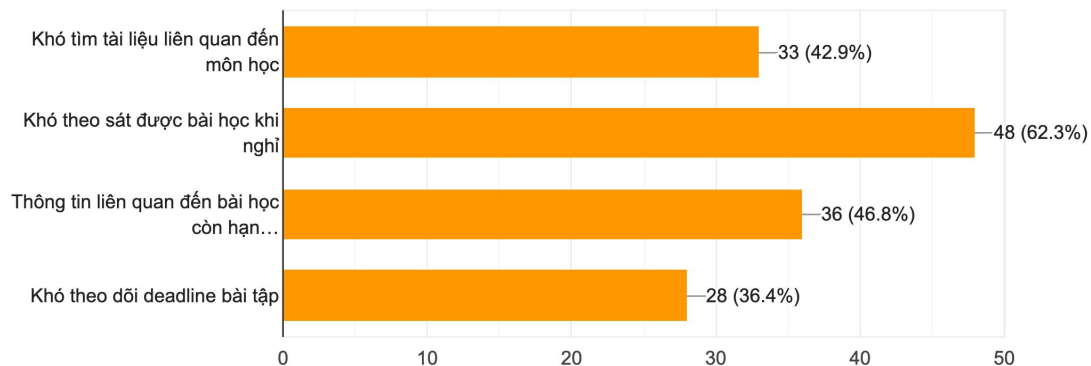
Overall, FAP's functions are really easy to use but 20% who conducted the survey said send an application is hard

Survey

- 62% students said it's difficult for them to catch up with lessons contents whenever they have to take an unexpected break
- 43% said it's hard to find learning material

6. Bạn gặp khó khăn gì khi đi học trên lớp ?

77 responses

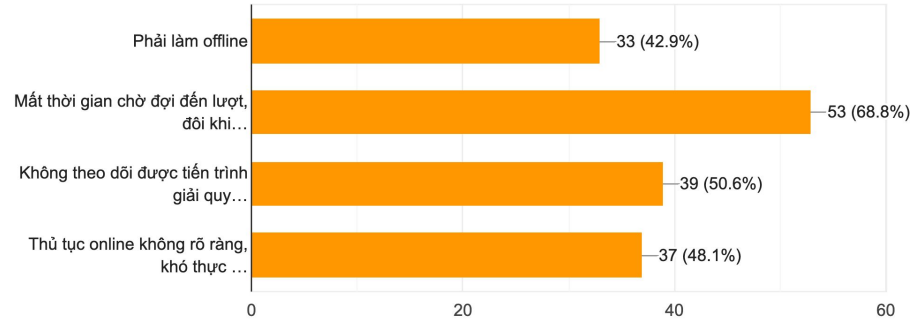


Survey

- Students have to wait in line to make an application
- There are no description for online applications, make students confuse
- Students found it hard to track application process

10. Bạn gặp khó khăn gì khi làm thủ tục đơn từ tại trường ?

77 responses



RESEARCH

Interview



Vu Thanh Nam
Graphic Design Student

Problems/Feel	Method	Wants
Current timetable bring little information about upcoming class	<ul style="list-style-type: none">- Ask lecturer and take note	<ul style="list-style-type: none">- Include information about what students will do in specific classes
Have no intel about learning resources	<ul style="list-style-type: none">- Search on the internet- Use third party app to save/bookmark	<ul style="list-style-type: none">- Learning space
Shatter information when communicate with friends to ask about subject via social media	<ul style="list-style-type: none">- Take note while chatting/commenting	<ul style="list-style-type: none">- Place where students can communicate more efficiently
Spent too much time making application	<ul style="list-style-type: none">- Can't do anything	<ul style="list-style-type: none">- Clear instruction for online application- Rearrange category

RESEARCH

Interview



Tran Trong Tung
Graphic Design Student

Problems/Feel	Method	Wants
Ugly UI	<ul style="list-style-type: none">- Only use site to view mark and timetable	<ul style="list-style-type: none">- Save password
There are 2 mark report section with difference content	<ul style="list-style-type: none">- Get use to it	<ul style="list-style-type: none">- Change the way it called
Lack of learning resources	<ul style="list-style-type: none">- Find himself- Take note- Bookmark link	<ul style="list-style-type: none">- Learning space
Can't follow application progress	<ul style="list-style-type: none">- Ask academic department staff directly	<ul style="list-style-type: none">- Application tracking more useful

Interview



Nguyen Thanh Trung
Graphic Design Student

Problems/Feel	Method	Wants
Annoy everytime he has login to site	- Use default Google account	- Save password
Classroom and class time change announce via email, miss sometimes	- Ask friends	- Push notification
Current application tracking is useless	- Ask people in 102L	- More specific tracking feature
Always get distracted when communicate with friend via social media for learning info	- Always take note - Meet friends directly	- Learning space

Survey & Interview Summary

Problems	Ideas to solve
Students have to login everytime they enter portal site	Remember users credentials
Miss notification about class time and class room change	Create learning space provide class notification, discussion, file sharing features
Hard to reach learning resources	
Always get distracted when communicate with friend via social media for learning info	
Get confused when making application online	Create categories for applications, redesign tracking features to bring more info

RESEARCH

User Personas



Trần Trọng Tùng

Graphic design student of FPT University.
Always work hard, be active in learning.
expect to know details about learning so that
I can be more active in arranging time for my
activities

Age	22
Profession	Graphic design student
Location	Ha Noi
Gender	Male

Story

Tung is a student majoring in graphic design at FPT University. Tung is quite educated but often has to quit school due to poor physical condition, every time he leaves school, Tung often finds a way to catch up with the content of class lectures but has no tools to do this in a way, effective

Goals

- Desire to have an environment for exchanging learning information in a focused, undisturbed way
- Desiring an environment to discuss directly with teachers and friends about a specific subject in a lesson
- Desire to understand the content of the lecture even after school

Pain Points

- Missed lectures often miss school
- Exchange of learning information through FB groups should be easily distracted
- Messages are often lost, hard to find

Current solution

- Often take notes during an online communication to avoid losing information
- Call teachers directly

Behavior

Devices



Communicate with friends, lecturer



Self study time



Make application



Announcement, Notification miss



RESEARCH

User Personas



Nguyễn Thành Trung

A student of graphic design at FPT University. Not often paying attention to the notices of the school so often skip make up classes, must send an application to the training room. We hope the application process will be improved and informed about the activities of the school as well as changes in classrooms and lessons to be more proactive.

Age	22
Profession	Graphic design student
Location	Ha Noi
Gender	Male

Story

Students at FPT University, often using the university's mail for personal purposes, the mailbox is always full, often having problems with the school, must be resolved by a simple application procedure.

Goals

- Desire to receive clear instructions when checking in online to avoid wasting travel time to settle and wait in line
- Desire to follow the process of resolving single procedures in a complete and clear manner

Pain Points

- Difficult to update important announcement, sometimes miss notifications
- There is no guide for application & registration
- When encountering new problems, it is unclear what to do and where to apply
- The processing time is long, it's not clear which procedure has been resolved
- Sometimes I have to go to school to solve offline even when I'm far away

Current solution

- Ask friends and teachers about the application form to submit
- Settle directly in the student work room

Behavior

Devices



Communicate with friends, lecturer



Self study time



Make application



Announcement, Notification miss



RESEARCH

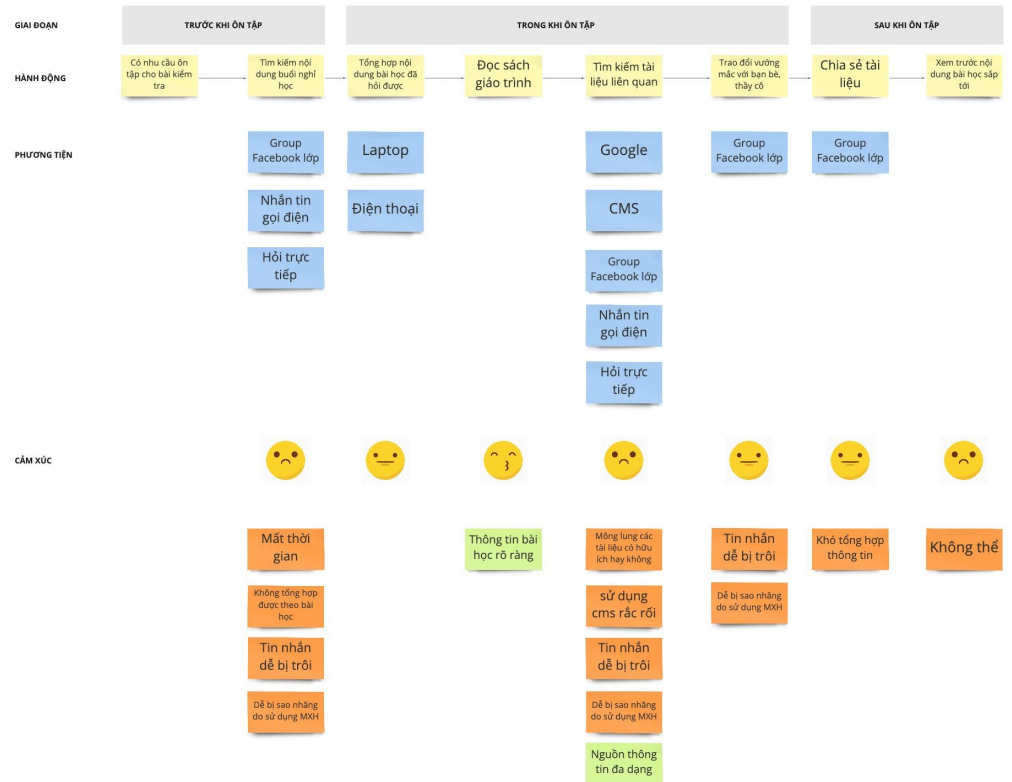
User Journeys

Scenario:

Tung have to absent from class for a few days but final exam is coming, these last lesson are really important, Tung doesn't want to miss it, he tried his best to collect information about what is going on in class.

Expectation:

- Get full content of lessons in days he has to absent from class
- Find recommend and related learning resources
- Communicate with classmates and lecturer about what he doesn't understand



RESEARCH

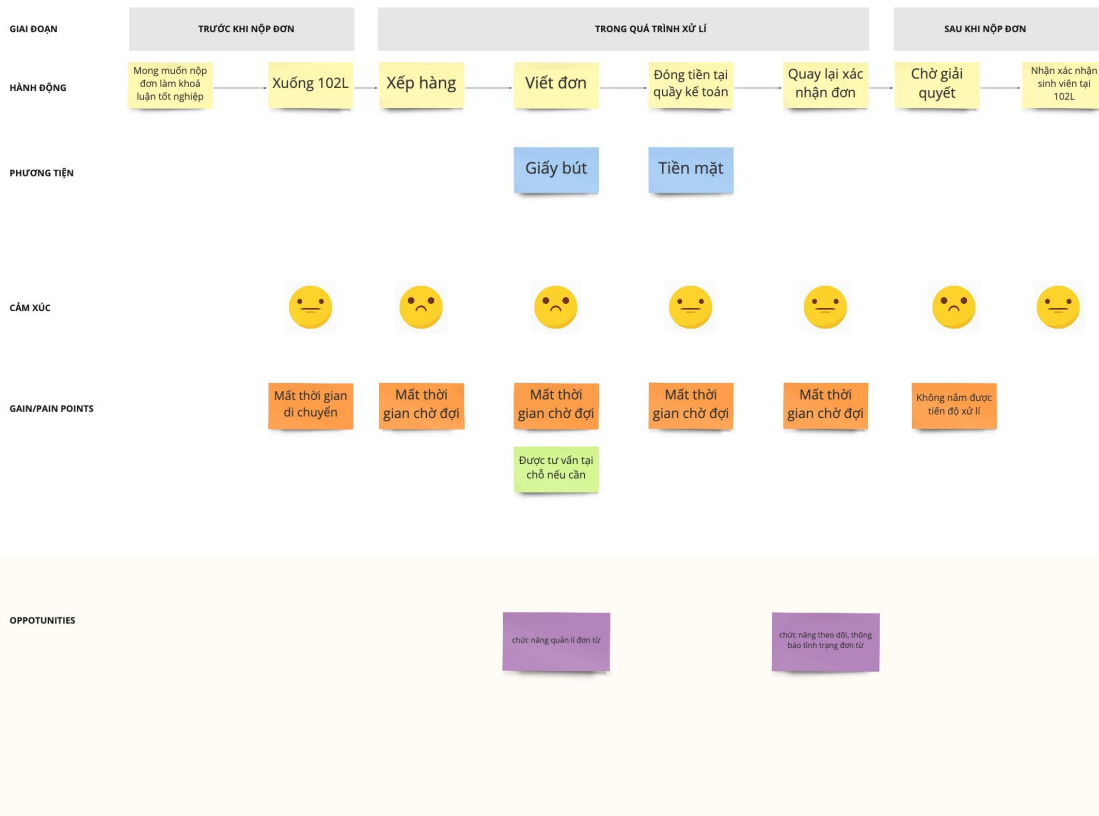
User Journeys

Scenario:

Trung want to get student verification form to send to local authority

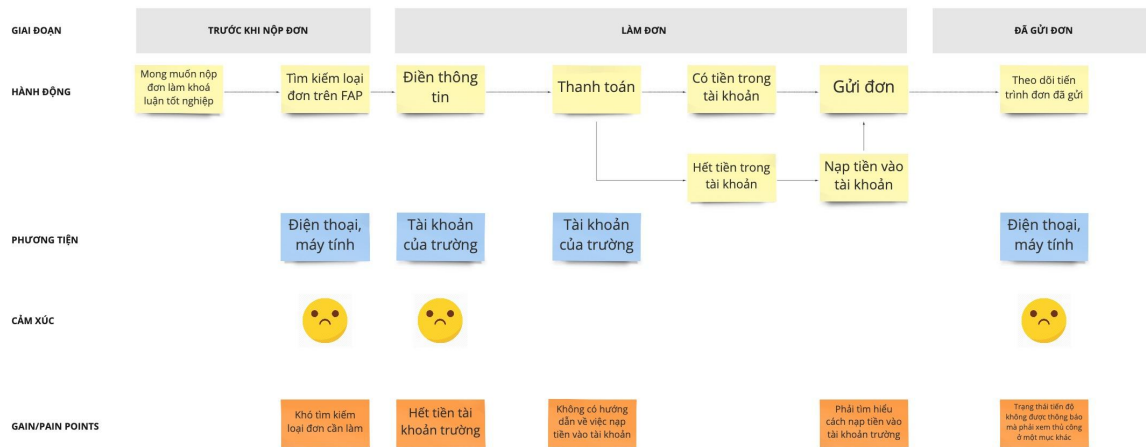
Expectation:

- Get the application accepted
- Track the application progress



RESEARCH

User Journeys



Scenario:

Nam wants to register for final capstone project

Expectation:

- Get application accept
- Track application progress



Similar Application Analyze

Applications	Pros	Cons
Falmouth Student Portal	<ul style="list-style-type: none"> - Rich feature - Learning space helps student reach learning resources and communicate with other students - Finance feature let students choose their favor payment method - FAQ page guide students through some common problems 	<ul style="list-style-type: none"> - Static dashboard - Too many feature lead to a complex app - Some of the features are actually webview
Edmodo	<ul style="list-style-type: none"> - Work like a forum with permission granted account - Student can communicate with each other in class by creating post - File sharing feature - Clean UI 	<ul style="list-style-type: none"> - Just a place to get update with news and announcement from academic department - Some feature students can't use without granted permission from admin account
Canvas	<ul style="list-style-type: none"> - Course management app - There is reminder feature which remind students about upcoming task - High useability 	<ul style="list-style-type: none"> - Static dashboard, no update to user when something new
Ton Duc Thang Student Portal	<ul style="list-style-type: none"> - Student can take quiz in app 	<ul style="list-style-type: none"> - Ugly UI - Low useability

RESEARCH

Function list

DASHBOARD

Active dashboard get update every day

TIMETABLE

Timeline view

Info for classes and lesson

SUBJECT DETAIL

Mark report, attendance

Include File sharing and Discussion

NOTIFICATION

Provide students with school announcement from school and changes in class time, classroom

APPLICATION & REGISTRATION

Organize categories

Design for better usability

FINANCE

Transaction history list

Upcoming fees and add new payment card to current account

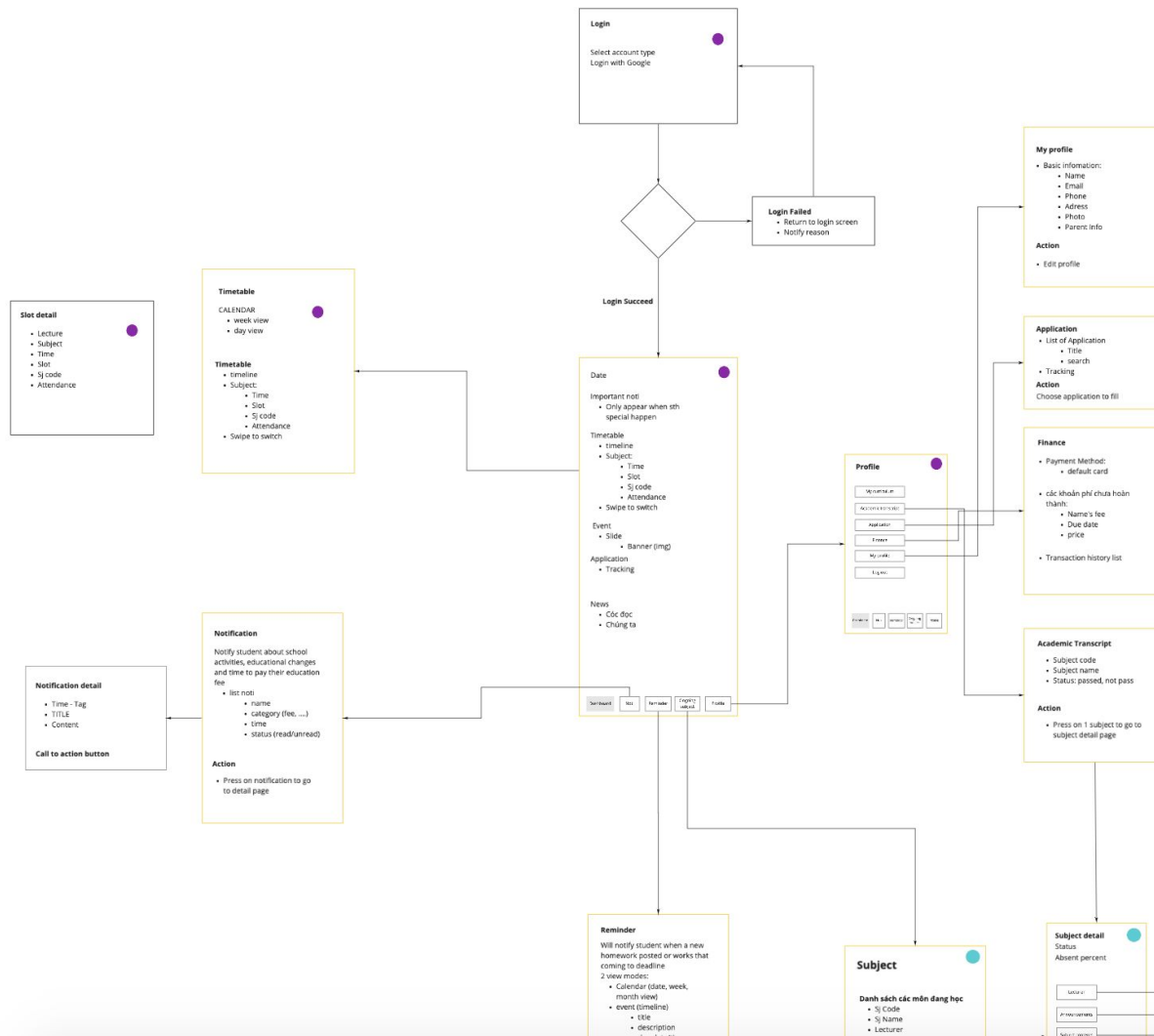
PART 3

DESIGN

DESIGN

Screen map

Click to see full screens map



Wireframe

Dashboard

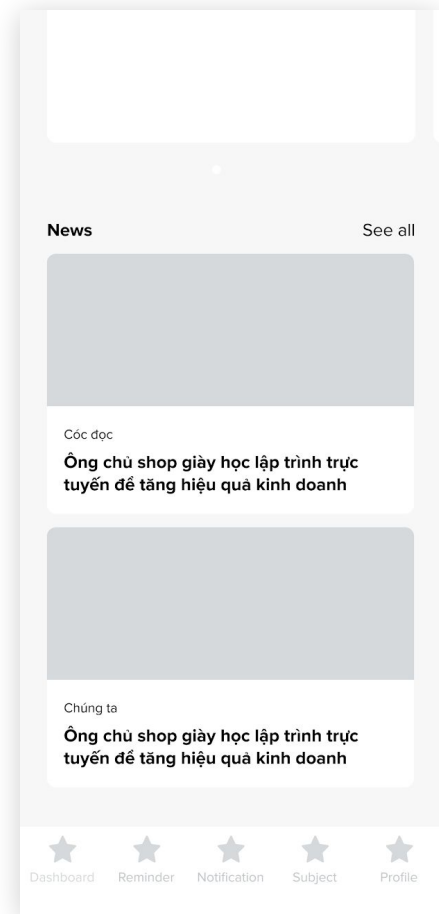
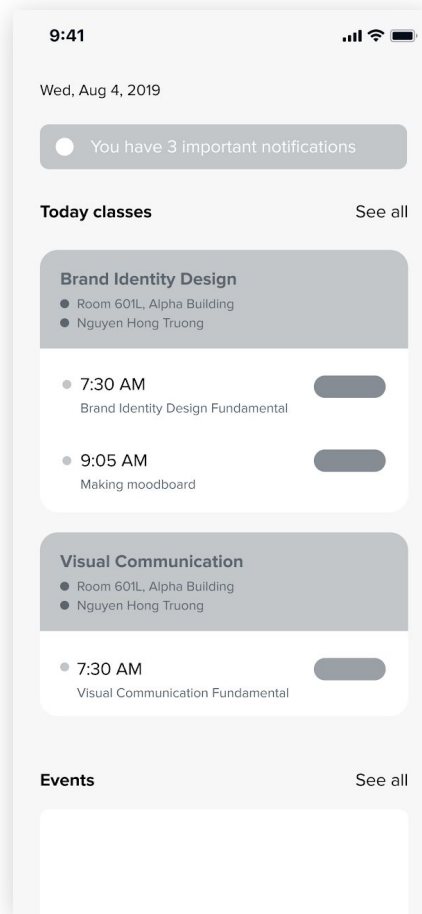
Timetable

Subject Detail

Discussion

Application

Finance



Wireframe

Dashboard

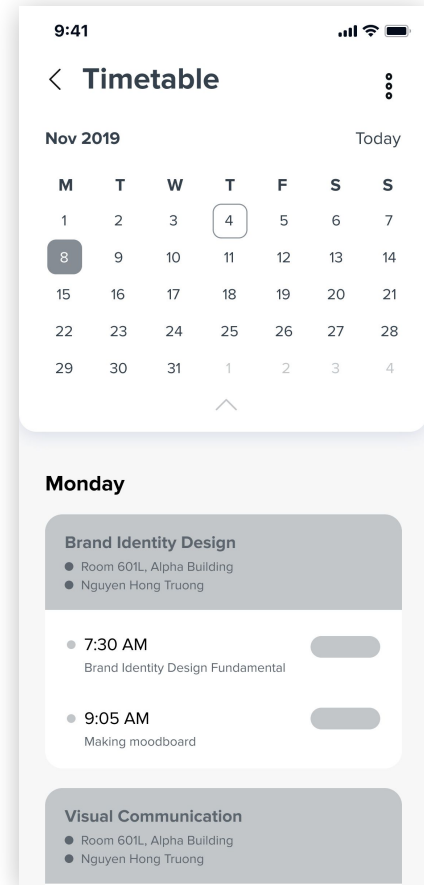
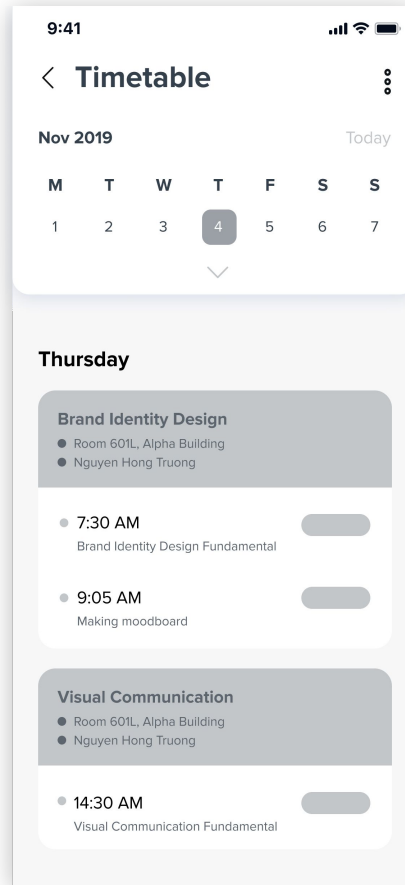
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Wireframe

Dashboard

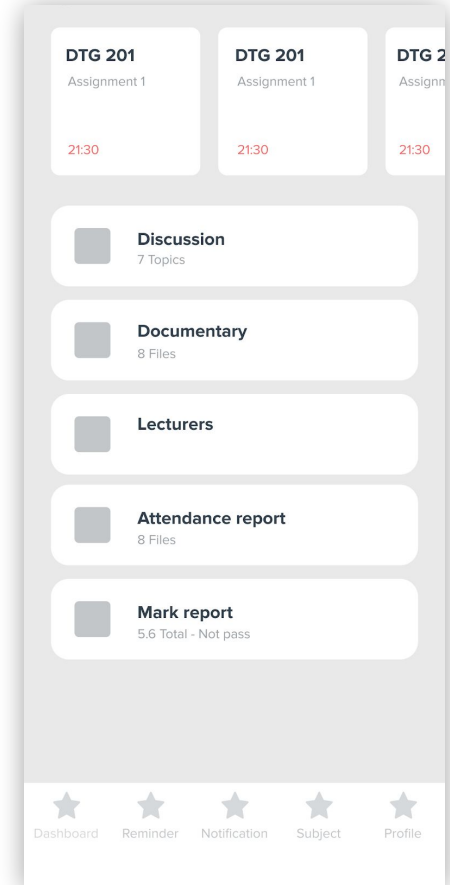
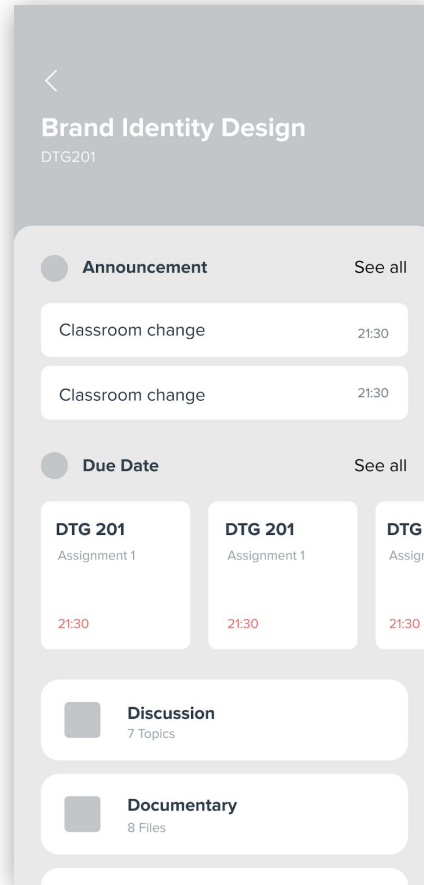
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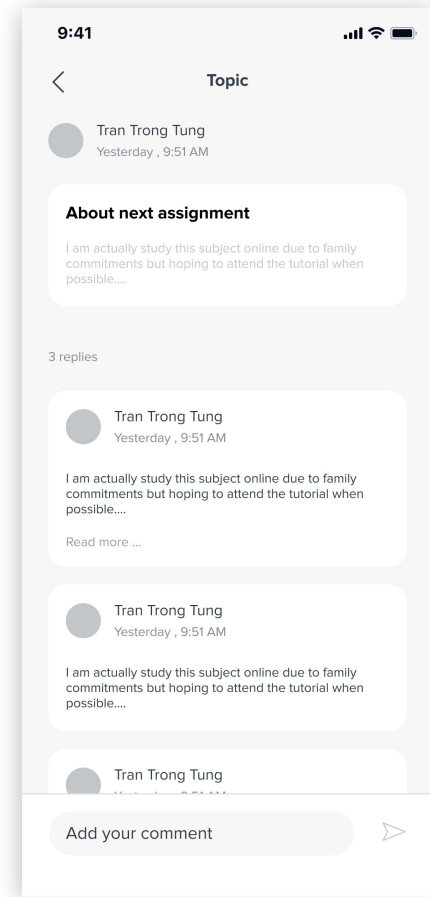
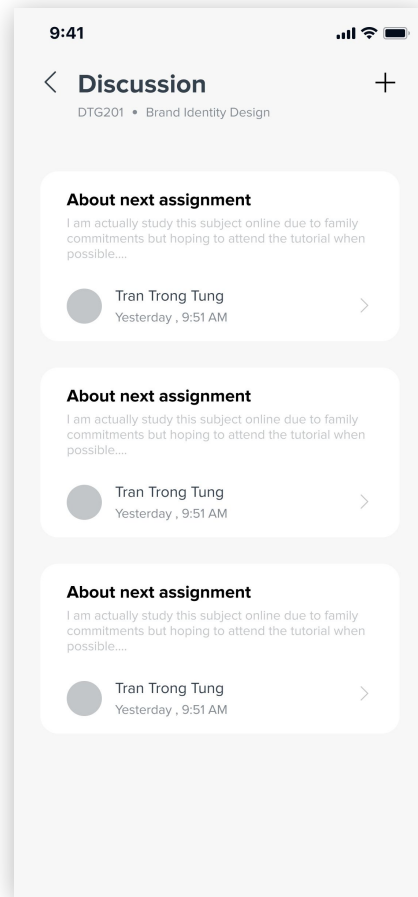
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Wireframe

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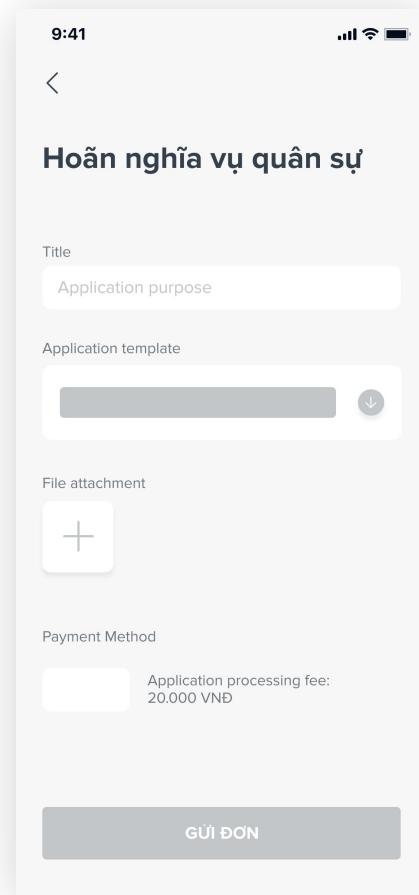
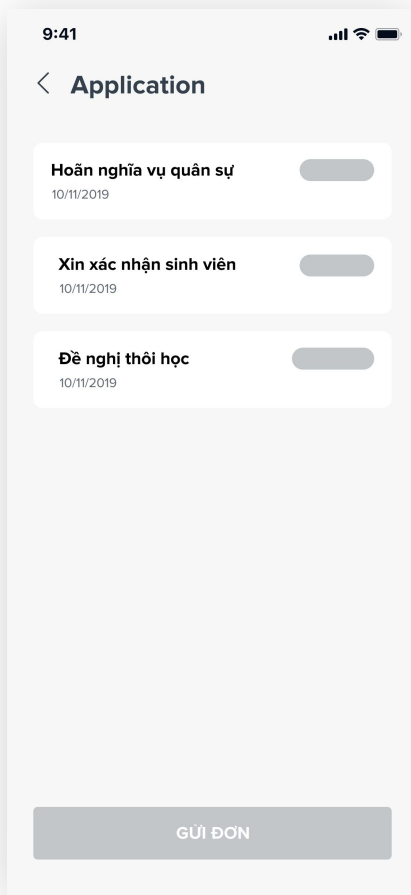
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Wireframe

Dashboard

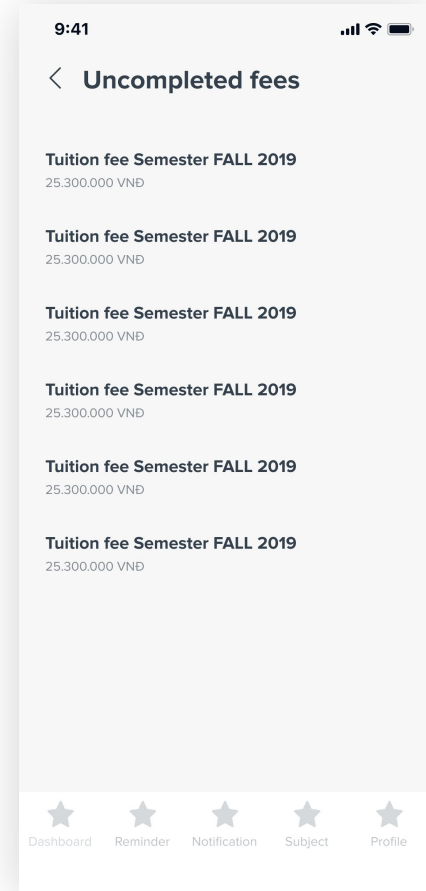
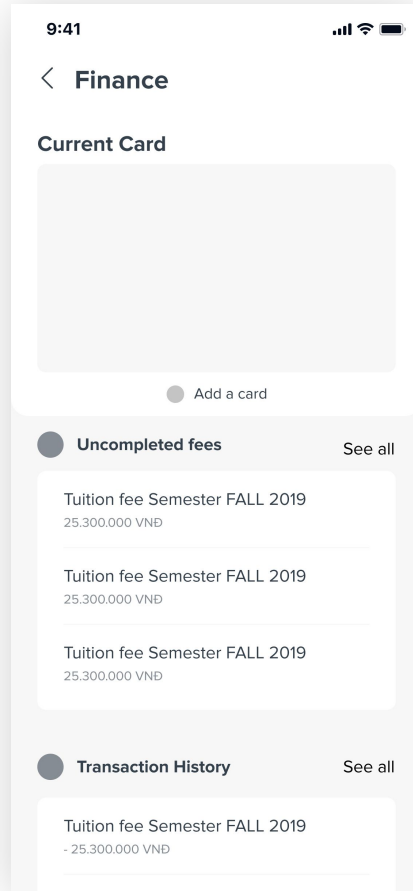
Timetable

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Heuristic Evaluation and Usability Inspection

How we do it ?

- We assumed users goal in doing certain tasks
- Put ourselves into user's position and try to complete the task
- We took note during using phase
- We compared our note with 10 heuristic checklist

[Click to see full script](#)

DESIGN

Usability Testing with Users

Target participant - Students studying at FPT university

Number of participant - 6

How we do it ?

We create several scenarios with series of main function tasks and participants were asked to complete tasks, recognize buttons, the way screens are linked together, while our team observed and took notes. By watching users navigate the product, listening to their praises and concerns about it, we can see whether the participants enjoyed the user flow or being confused at any step

Click to see full script

Click to see testing result



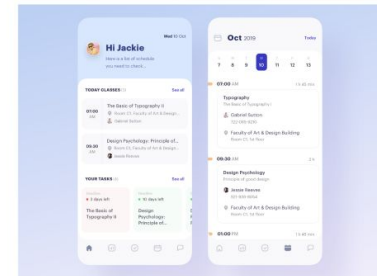
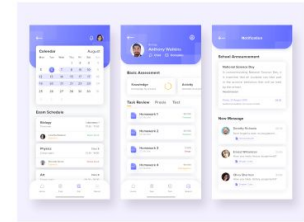
DESIGN

Moodboard

1 Images



2 Graphic Design



Color System

Primary Color

The most used color in the application, used for background



Accent Color

The highlight color, used for the button, the content should stand out, and is also the brand color of fpt



Neutral Color

User for text, disabled states



Semantic Color

Is the color for system

Success



Progress



Error



Warning



DESIGN

Typography System

Pr oxima Nova

aA aA aA aA aA

Proxima Nova gives users the comfort of reading because of its simple and no-frills design, but it also feels strong and reliable in addition to being easy to read.

Heading

Heading 1

Proxima Nova Bold
Font size: 36px
Line height: 48px
Use for: Oversized screen titles, use in moderation

Heading 2

Proxima Nova Bold
Font size: 28px
Line height: 32px
Use for: Feature introductions, top level headers.

Heading 3

Proxima Nova Bold
Font size: 24px
Line height: 28px
Use for: Main titles, use only once per page.

Heading 4

Proxima Nova Bold
Font size: 20px
Line height: 24px
Use for: Headings that identify key functionality.

Heading 5

Proxima Nova Bold
Font size: 16px
Line height: 20px
Use for: Sub-section and field group headings.

Subtitle

Subtitle Large

Proxima Nova Regular
Font size: 14px
Line height: 16px
Use for: Sub heading normal

Subtitle Small

Proxima Nova Regular
Font size: 12px
Line height: 14px
Use for: Sub heading small

Body

Body Regular

Proxima Nova Regular
Font size: 16px
Line height: 20px
Use for: content, main typeface for App

Body Bold

Proxima Nova Bold
Font size: 16px
Line height: 20px
Use for: Highligh content, main typeface

Paragraph

Paragraph Regular

Proxima Nova Regular
Font size: 16px
Line height: 24px
Use for: paragraph content

Button

BUTTON LARGE UPPERCASE

Proxima Nova Bold
Font size: 16px
Line height: 16px
Use for: Text button

Button Large Lowercase

Proxima Nova Bold
Font size: 16px
Line height: 16px

BUTTON SMALL UPPERCASE

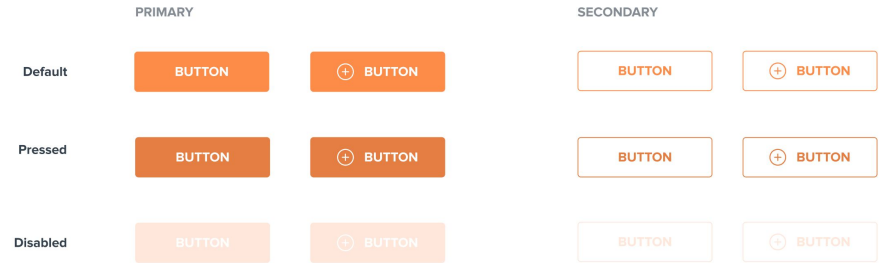
Proxima Nova Bold
Font size: 12px
Line height: 16px

Button Small Lowercase

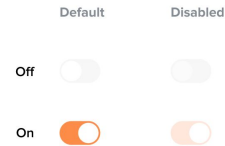
Proxima Nova Bold
Font size: 12px
Line height: 16px

UI Components

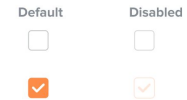
BUTTON



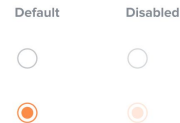
TOGGLE BUTTON



CHECK BOX



RADIO BUTTON



SEGMENT CONTROL



UI Components

TEXT FORM

NORMAL

Label

Placeholder

Label

Focused

Label

Active



Label

Disable

Label

Error



Error message

Label

Succeeded



HAVE LEFT ICON

Label

Placeholder

Label

Focused

Label

Active



Label

Disable

Label

Error



Error message

Label

Succeeded



SEARCH BAR

Search

Focused

Active



DESIGN

Application Logo

Inspired by 3 main colors of FPT Corporation, combined with the shape of bachelor hat and books, we designed the logo for Student Hub application.



Design Finalization

Dashboard

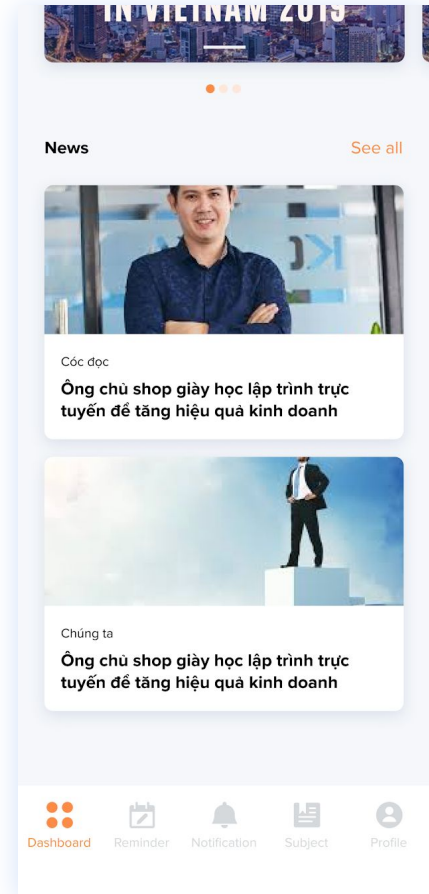
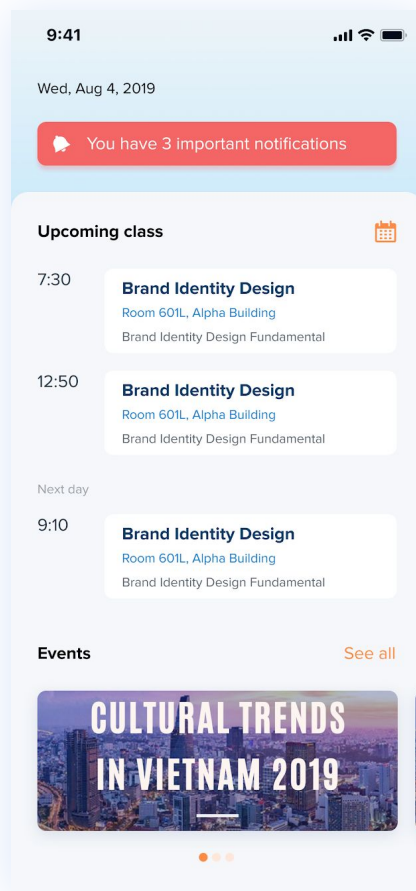
Timetable

Subject Detail

Discussion

Application

Finance



Design Finalization

Dashboard

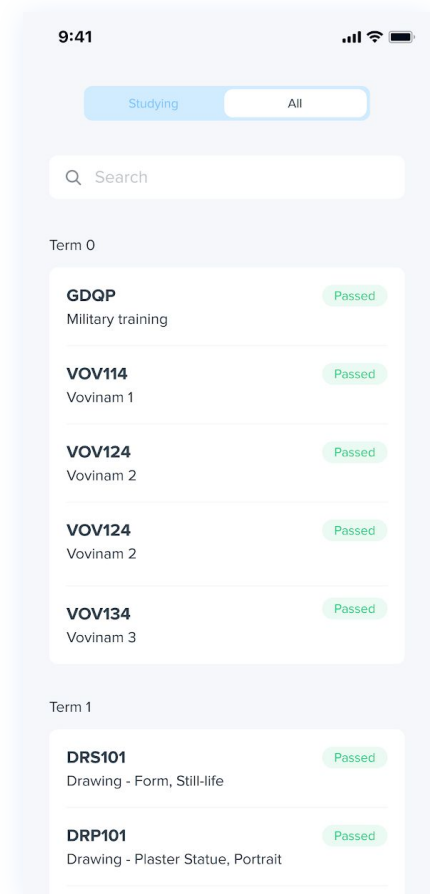
Subject

Subject Detail

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Design Finalization

Dashboard

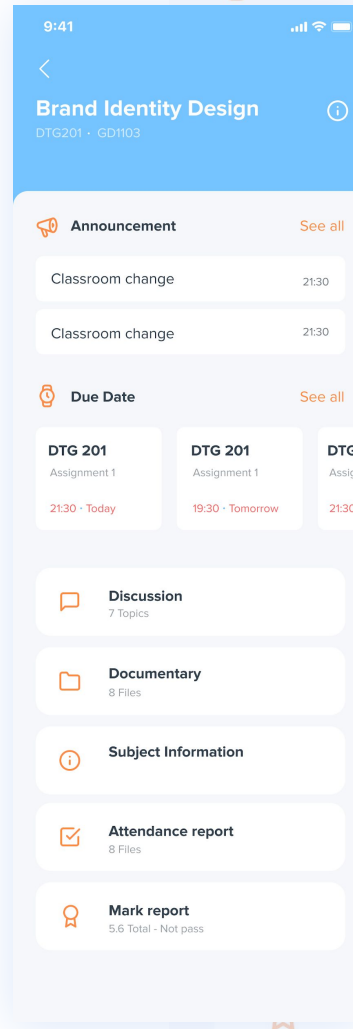
Timetable

Subject Detail

Discussion

Application

Finance



Due Date

See all

DTG 201

Assignment 1

19:30 · Tomorrow

DTG 201

Assignment 1

21:30

Discussion

7 Topics

Documentary

8 Files

Subject Information

Attendance report

8 Files

Mark report

5.6 Total - Not pass

Design Finalization

Dashboard

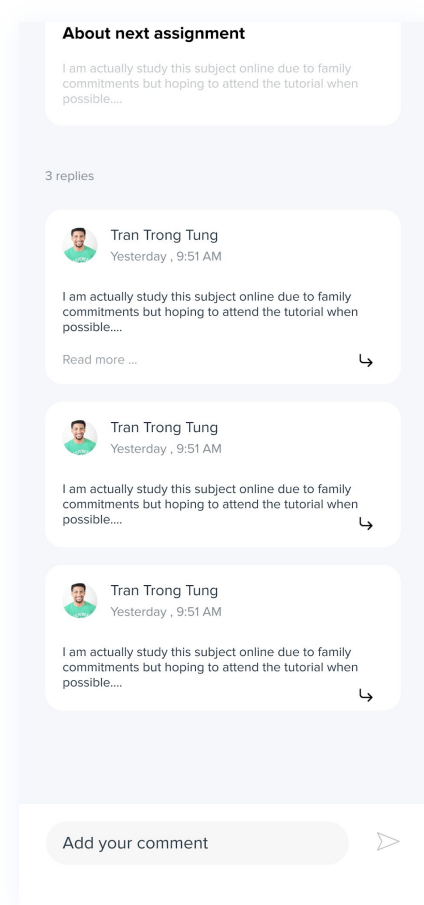
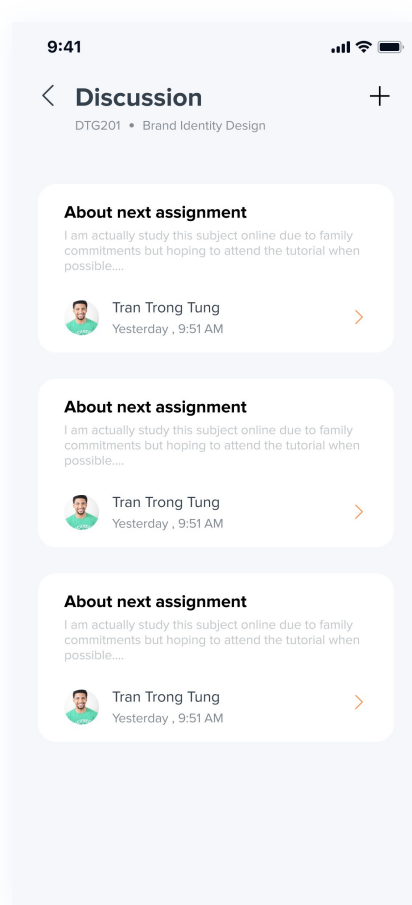
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Design Finalization

Dashboard

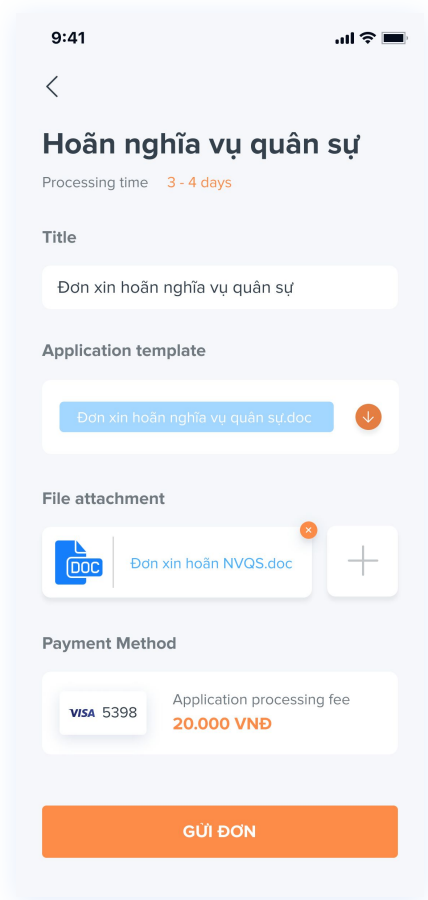
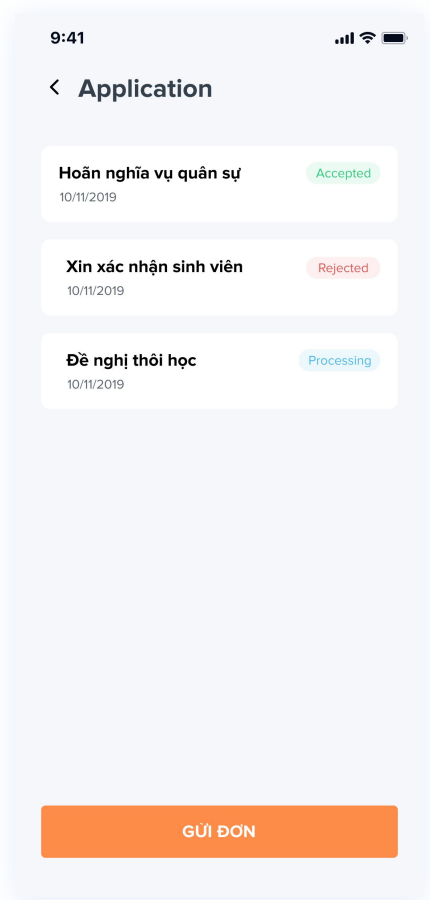
Timetable

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Design Finalization

Dashboard

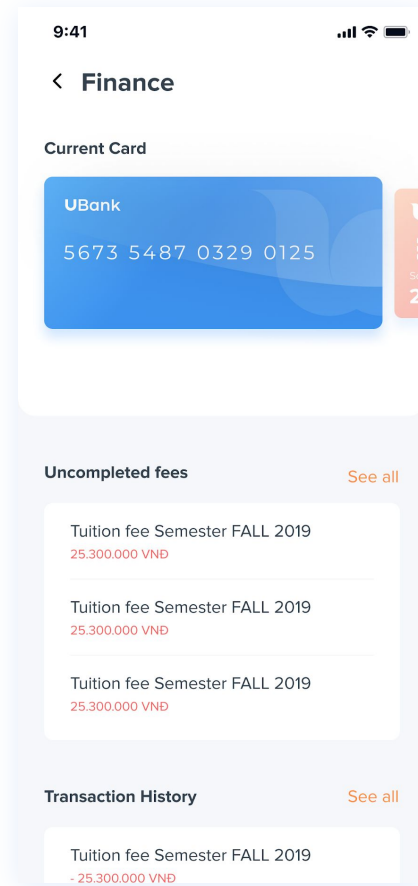
Timetable

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Heuristic Evaluation and Usability Inspection Phase 2

How we do it ?

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- Put ourselves into user's position and try to complete the task
- We took note during using phase
- We compared our note with 10 heuristic checklist

[Click to see full script](#)

DESIGN

Usability Testing phase 2

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Number of participant - 6

How we do it ?

We create several scenarios with series of main function tasks and participants were asked to complete tasks, recognize buttons, the way screens are linked together, while our team observed and took notes. By watching users navigate the product, listening to their praises and concerns about it, we can see whether the participants enjoyed the user flow or being confused at any step

[Click to see full script](#)

[Click to see testing result](#)



PART 4

FUNCTION SIMULATION