

Mobile Application Programming

Weekly Course Summary

The class are being conducted twice every week. The schedule is every Wednesday and Thursday at 10 a.m. – 11.30 a.m.

Week 1

There is no class on Wednesday due to public holiday. The Thursday class started with course overview. In here, we're told that we'll be using Flutter framework with dart as programming language, and we need to prepare the environment for it. We're also being told to create a group of 4 for the Final Mobile Application Project until the end of the semester. For the group project, the first assignment is to make a lean business canvas and 3 minutes pitching idea for the future project that we will make.

Week 2

This week topics covers the general walkthrough of dart and flutter basics.

Week 3

The Wednesday class is 3-minutes presentation for the project app idea. The Thursday class continuing the dart language walkthrough. There is also a briefing for the next assignment to create product backlog, group note discussion, and preparing for project sprint#1 presentation.

Week 4

The Wednesday class is learning about building the basic app interface inside Flutter. There is no class on Thursday which is used for independent study for the student.

Week 5

This week class is used for independent study so no class material given.

Week 6

The Wednesday class cover the basic state management inside Flutter. The Thursday class covers about navigation and routing to different screen.

Week 7

This week is scheduled to be a Mid-Semseter Break in UTM.

Week 8

This week material covers about dependency injection. There is additional class on Thursday for the Sprint #1 Mobile App project presentation. We're also being inform about the next assignment which are making a product backlog, group note discussion, and preparing for project sprint #2 presentation

Week 9

This week class covers about providers inside Flutter which function as a wrapper inside a specific widget to make them easier to use and more reusable.

Week 10

This week class covering about the Mobile App architecture inside flutter using Node, Json, and API. There is also additional class on Sunday for the Sprint #2 group presentation. We're also being inform about the next assignment which are making a product backlog, group note discussion, and preparing for project sprint #3 presentation.

Week 11

This week class is demo about Mobile App architecture inside flutter using local database (XAMPP) by the lecturer.

Week 12

This week class is demo about HTTP and Json, and localhost API from the lecturer. There is additional class on Sunday for the Sprint #3 group presentation. We're also being inform about the next assignment which are making a product backlog, group note discussion, and preparing for project sprint #4 presentation.

Week 13

In this week class we're using another database which is called Firebase, an online database by google.

Week 14

This week class is demo about the Firebase database and how we can utilize on our app. There is additional class on Sunday for the Sprint #4 group presentation. There is a final assignment of making a 5-minute Group Video presentation about our finished app.

Week 15

This week used as the Lab Final exam which covers about all the material from the previous weeks.