204311 Mobile Application Development Framework 2022

Project Timeline

Date and Time	Actions	Phase
December 4	Pitching	1
December 13	Forming group and brainstorming ideas	2
January 13	Submitting designs (paper or Figma)	
February 10	Progress Report #1 - Submit main UI and documents	3
March 10	Progress Report #2 - Finish all must-have features	
March 24	Progress Report #3 - Finish could-have features	
March 28	Showcase + Final Exam	4

Course Timeline

Week	Lecture	Lab
1	Introduction to Mobile Application Dev	Dart: Basics
2	Business Model for Mobile App	Dart: Iterable
3	Pitching	Dart: Asynchronized Programming
4	Project Planning for Mobile App Dev	Flutter: Stateless Widget
5	Code Review	Flutter: Stateful Widget
6	Style Guides and Rules	No Class
7	No Class	Flutter: Navigation and Routing
8	Documentation	Flutter: State Management
Midterm Week		
9	Testing Overview	Flutter: Forms and Firebase
10	Unit Testing	Flutter: Unit and Widget Testing
11	Test Doubles	Flutter: Styling and Animation
12	Dependency Management	Flutter: Camera and Videos
13	Mobile Architecture Part 1	Flutter: Geolocation and Google Maps
14	Mobile Architecture Part 2	Flutter: WebView
15	Machine Learning in Mobile App	Flutter: Voice Bots with DialogFlow
Final Exam March 28		