

42889 & 41889

Autumn 2022

## Assessment Task 3

Group project: Design and develop an application

Due date: 22 May 2022, 11:59 pm

This project is worth 30% of the overall mark for this subject.

## Introduction

You will create an application that solves a real-world problem for a fictional user persona. You will follow an iterative product design cycle to produce a minimum viable product. On the final day of class you will demonstrate the product to fictional investors in a presentation.

## Requirements

1. You shall work in a group of three or four members.
2. Students shall create a source code repository using Github. The final group project (zip file) is required to submit in Canvas. The link for github repository should also be provided in a README.md file in the project zip file. Student groups will describe their product in a final presentation.
3. You shall follow the Product Design cycle, iteratively planning, prototyping, and testing more detailed versions of your app.
4. You shall demonstrate your application in a 5-minues presentation, showing the developed app, and answering questions listed in marking criteria.

## Assessment

15 marks: assessment of your groupwork and review of your code design

15 marks: Final presentation

# Late submission

Because of the group nature of this project and the semester teaching schedule, no extensions or special consideration will be considered. The due date is final.

## Suggested Topics

Each group is encouraged to come up with their own app idea. If your group is unable to decide what to develop, select a topic from the suggestions below.

1. Design and implement a crypto-currency wallet application that can hold a minimum of three currencies. The application doesn't require the implementation of a backend-server to manage wallets. The design should be visually appealing. (For example: Huobi Wallet) Create an application that makes it easy for a user to view and manage their crypto- currencies. Data should be presented to the user in a meaningful and appealing way. Information such as today's loss and gain should be implemented. Inspiration can be drawn from the default [iOS stock app](#) or other crypto apps such as [Blockfolio](#).
2. Design an online booking system for restaurants or cinemas. The app should allow the customers to select seats and cancel the booking.