

Task: Design Steps – Information Collecting & Planning

Phase Information Collecting

- Step 1: work in pairs – note down who you are working with
- Step 2: brainstorm an idea. Write down a description of your app
- Step 3: Start Information Collecting:
- a) Create a Use Case Diagram
 - b) Write down detailed Use Case Descriptions (use template on Teams)
 - c) Define a Domain Model

➔ Check UML hand-outs if you are not sure how to work with the diagrams! See here:
https://tbzedu.sharepoint.com/:f:/s/IT_AP20a_M226/Eg9Bqp5zX2tPg9-r98yvo0wBUJ4XIJerJZkW7y6GPsYwww?e=0Bi3f2

Phase Planning

From your description, do a brainstorming. Output are CRC-cards. Compare your CRC-cards with your domain model. Make changes to your domain model if necessary. Now transfer your domain model into a class diagram.

- Step 4: Class Diagram according to CRC cards / Domain Model

Your class diagram has:

A layout of the potential classes and their associations. The classes don't have to have attributes but can have methods (use the responsibilities from the CRC cards).

Design will be graded and is first part of project. Document each step!

Deadline: 19 June 2022

➔ Upload your design analysis in your repository! The whole design is in one document.

Now Phase Information Collecting and Planning is complete

Phase Realisation

- Step 5: Define who implements what (Planning)
- Step 6: Begin with Coding / use a repository for code sharing & updates

Remember: This is a process. Be prepared to incorporate changes while you are coding.

Document changes -> update your class diagram for the final version!