

Design Documentation

Free choice

Revision History

Date	Version	Description	Author
22/09/21	1.0	Initial discussion of design	Fanny Söderlund, Malek Alabed, Nishat Jahan, Suzanne Zomer
06/10/21	1.1	Design of mock lab	Fanny Söderlund, Malek Alabed, Nishat Jahan, Suzanne Zomer

Design item List

Design name	Requirements related	Priority
D1. Client android app environment	R1, R2, R3	Essential
D2. Client web app environment	R1, R2, R3	Essential
D3. Server/API connection	R2, R4, R5, R6, R8	Essential

Design Item Descriptions

D1.

A collection of the designs for the requirements relating to the android client side of the system.

Mocked environment

The mocked environment allows the features to be developed encapsulated without outside interaction. The mocked client app is a simple android app that contains the necessary components for the related requirements. The mocked environment is created using Android Studio using Java to integrate with the other subgroups.

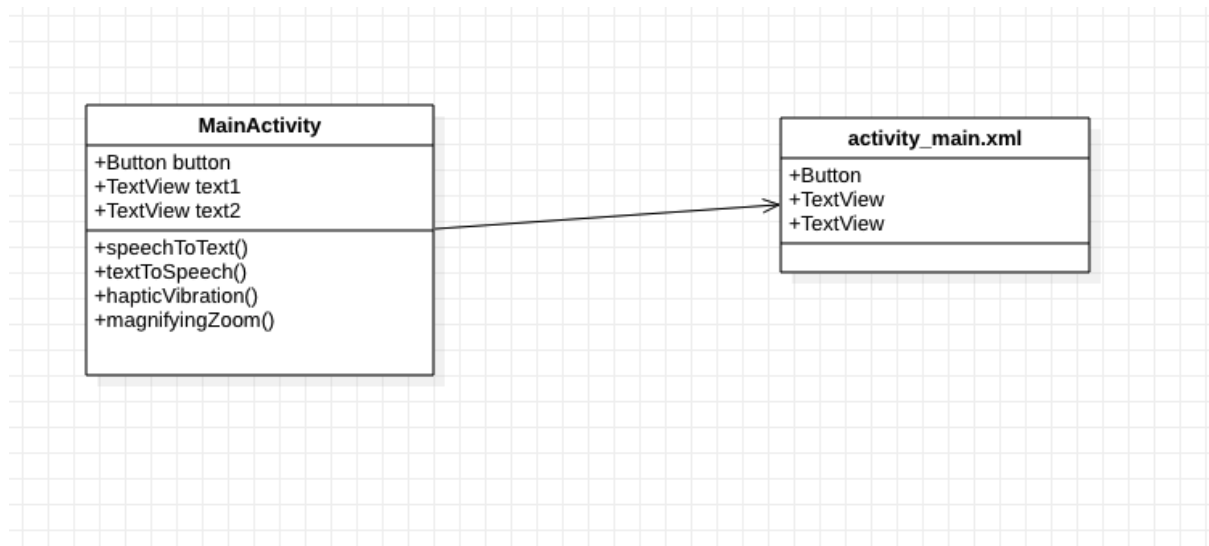


Figure 1 - Class diagram of mock client android app

Haptic vibration (R1)

D2.

A collection of the designs for the requirements relating to the web client side of the system.

Mocked environment

The mocked environment allows the features to be developed incapsulated without outside interaction. The mocked client app is a simple web app that contains the nessecary components for the related requirements.

D3.

A collection of the designs for the requirements relating to the server of the system. Initially, for testing and developing, the mocked environment will be used, but eventuelly the implementations will migrate to the actual server/API.

Mocked environment

The mocked environment allows the features to be developed incapsulated without outside interaction. The mocked server allows for testing and implementing of features not yet handled by the current system.

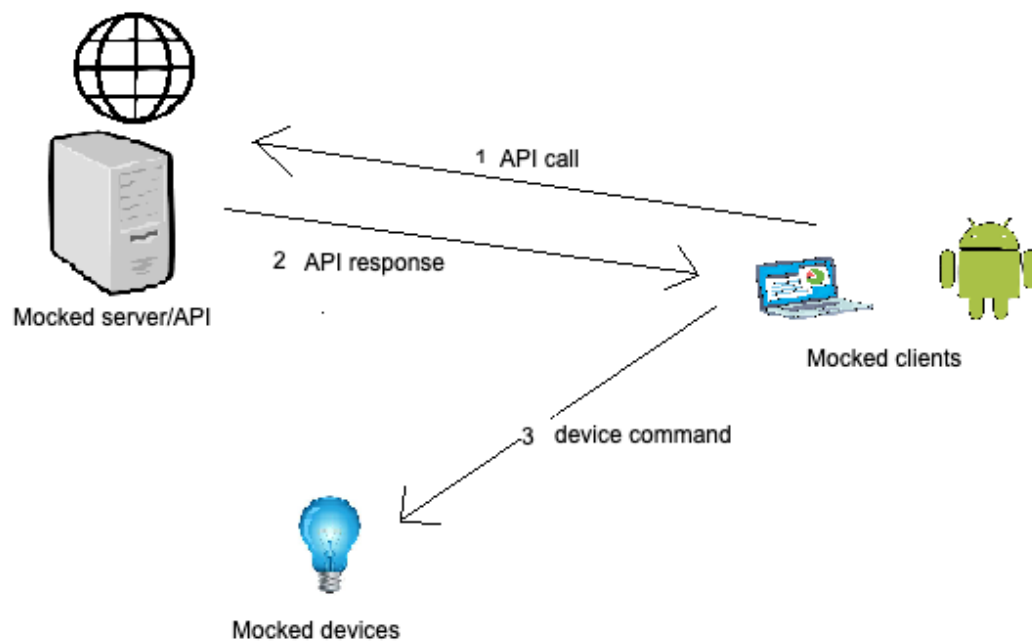


Figure 2 - General layout of mocked sever/client interaction