Bachelor MKI

Mobile Computing

SS 2020

Prof. Dr. Natividad Martínez Madrid

- Semester-Project Documentation -

Neighbour in Need

Presented by:

Fanni Tamara Marosi,

Ebru Selin Özcelik, 764349

[Ebru\_Selin.Oezcelik@Student.Reutlingen-University.De](mailto:Ebru_Selin.Oezcelik@Student.Reutlingen-University.De)  
  
  
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# Introduction / Motivation

In times of the Coronavirus we thought about implementing an application, which helps people to find/offer help/things to others in their neighbourhood. The name of the app will be "Neighbour in Need", we worked on the concept together. Users can register and create an account by specifying some information about themselves. Subsequently users can create or search for advertisement.

# Goal(s) of the project

# Requirements analysis (Personas, storyboards, user stories, and requirement specification)

## User groups and Personas

Our user group is very heterogeneous and for this reason we have three personas. All of them represents one user group.

Ein Bild, das Screenshot enthält.

Automatisch generierte Beschreibung

Ein Bild, das Text enthält.

Automatisch generierte Beschreibung  
Ein Bild, das Text enthält.

Automatisch generierte Beschreibung

## Storyboards

## User Stories

## Requirement specification

|  |  |
| --- | --- |
| Requirement | Create an account |
| Number | 1 |
| Description | The user should create an account with his/her personal information. Text box-> button (-> save in DB) |
| Rationale |  |
| Success criteria | The user must be able to enter all the necessary information; name, password, email, phone number, post code |
| Level of importance | 5 |

|  |  |
| --- | --- |
| Requirement | Create an advertisement |
| Number | 2 |
| Description | The user should create an account with his/her personal information. Text box-> button (-> save in DB) |
| Rationale |  |
| Success criteria | The user must be able to enter all the necessary information; name, password, email, phone number, post code |
| Level of importance | 5 |

### Functional requirements

Main functions:

1. Every user can create a **profile** and register with:

* Name
* Address
* Phone number
* E-Mail

2. A registered user can create an **advertisement**:

There are two main categories:

* "Search for help"
* "Offer help"

In both main categories the user can choose between three subcategories:

* "Give something for free"
* "Borrow/Lend something"
* "Offer help" (e.g. doing the shopping, work in the garden)

Furthermore, the advertiser can choose between three options:

* The customer must pick up the stuff from the advertiser's place
* The advertiser will ship it out via post
* The advertiser will bring the stuff to the customer

Potential use cases might be:  
Use case 1: Borrow/lend something  
Someone wants to lend a lawnmower  
Use case 2: Give something for free  
Someone has sewed masks and wants to gift it to the public  
  
3. As a third requirement there will be a **rating system**, where users can rate and write comments about other users, after they interacted with each other.  
  
4. **Nice-to-have functions** (just in case we have time left):

* Chat function
* Geolocation, in order to verify the address at the very beginning of the registration
* All the legally basics etc.

# Conceptual model of the solution (using activity / sequence / ER - diagrams and mock-ups if applicable)

|  |  |
| --- | --- |
| *NeighbourInNeed_P1*  *Start Screen* | *NeighbourInNeed_P2*  *Choose between the two main categories* |
| *NeighbourInNeed_P3*  *Choose between three sub options*  *Offer* | *NeighbourInNeed_P4*  *Choose between three sub options*  *Search* |
| *NeighbourInNeed_P6*  *Show search results* | *NeighbourInNeed_P5*  *Show the details of the picked item* |
|  |  |
| *pfad*  *Layout Tree* | *color*  *Color Choise* |

# Some design decisions about the implementation

# Results (including how you did the testing and/or evaluation and the degree of completion of your requirements)

# Conclusion