

# MySL

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ID2216 Developing Mobile Applications

*Group 5 - Project presentation*

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# Overview

Domain of interest

WebApp prototype

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Site map

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Feedback

Outlook

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Demo

## Domain of interest

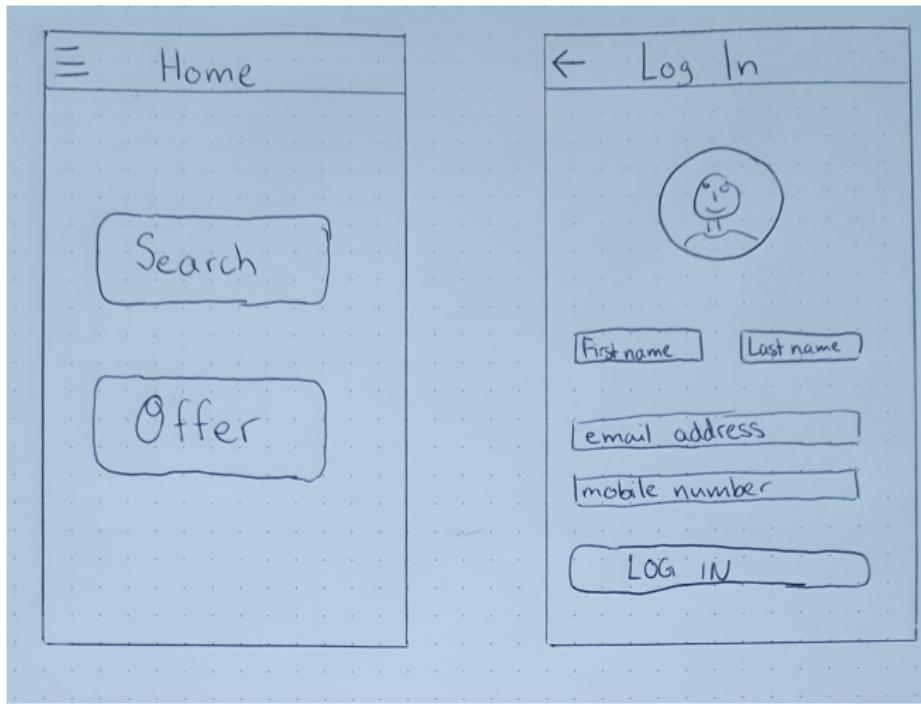
- ▶ SL travellers might not make the most of the SL card
- ▶ 3/7-day passes are more expensive than 30/90-day passes
- ▶ Posts on the internet are not standardized

## Domain of interest

The proposed app:

- ▶ standardizes post/request parameters regarding the SL card
- ▶ enables post/request matching to make contact easier

# Paper prototype



# Paper prototype

The image shows two hand-drawn paper prototypes on a grid background.

**Offer Prototype:**

- Header: ← Offer
- Form fields:
  - Start: 1/10/2016
  - End: 9/10/2016
  - Category: Student
  - Price: 1000kr
  - Pick up place: Kista
  - Pick up date: 22/09/2016
  - Credit: 0kr
  - Flexible dates:  yes  no
  - FreeText:   
(Offer card)

**Search Prototype:**

- Header: ← Search
- Buttons:
  - Overview
  - Specify search

# Paper prototype

**← Overview**

Start	End	Category	Price	Place
1/1/17	3/1/17	Student	50kr	Toby
10/1/16	11/1/16	Normal	60kr	Kista
1/1/16	3/1/16	Normal	30kr	Husby
20/1/16	3/1/17	Student	400kr	T-Centrum

**← Offer details**

Start	10/10/16
End	15/10/16
Category	Student
Flexible dates	no
Price	50 kr
Credit	0 kr
PickUp date	8/10/16
PickUp place	
Additional information	
into info	

# Paper prototype

← Specify search

Start

End

Category

Max. price

Flexible dates  yes  no

Search

← Profile

Firstname  Last name

e-mail address

mobile number

Facebook account  Google account

Save

# Paper prototype feedback

Name convention related:

- ▶ Change Free Text for Extra Information or Comment
- ▶ Change Credit for Saldo
- ▶ Change Pick Up Place for Pick Up Station

# Paper prototype feedback

User interface related:

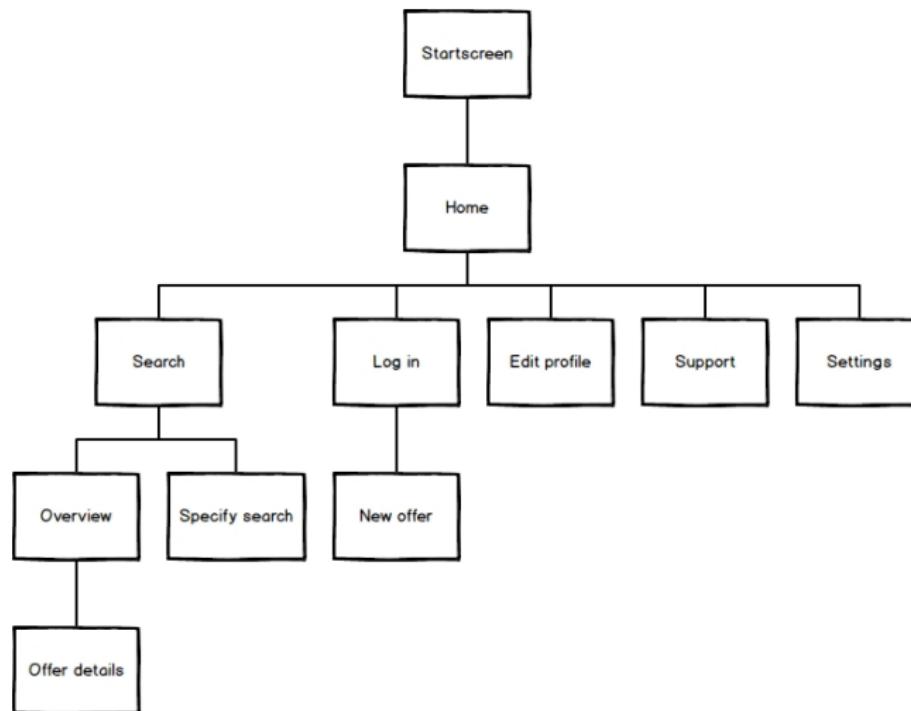
- ▶ Nice to have Start screen with the app logo
- ▶ Nice to have an integrated chat system to contact the seller
- ▶ Must have Log out button
- ▶ Must have Support screen/tab for questions/feedback
- ▶ Must have the insertion of the date with the popup calendar

# Paper prototype feedback

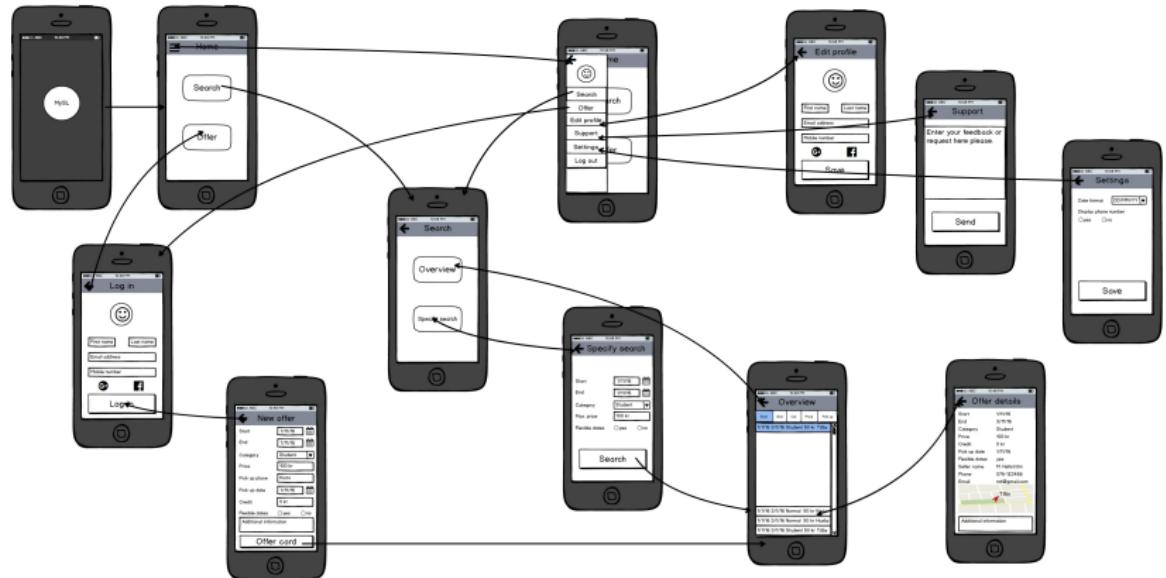
Information related:

- ▶ Nice to have the suggested price for the given validity period
- ▶ Must have Settings screen for date format and currency
- ▶ Must have the user's contact information in Offer details
- ▶ Must have email address instead of phone number as user contact information

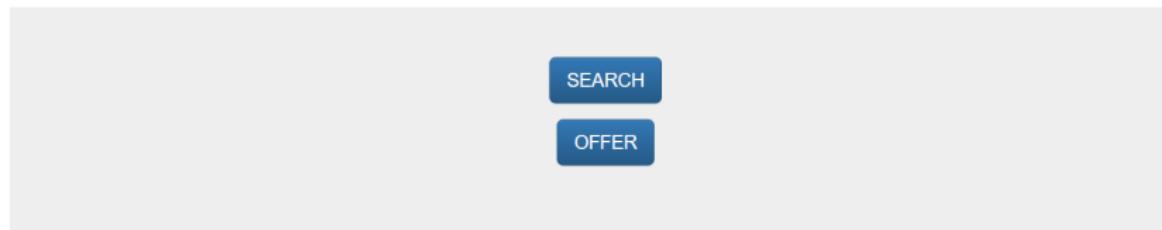
## Site map (using Balsamiq)



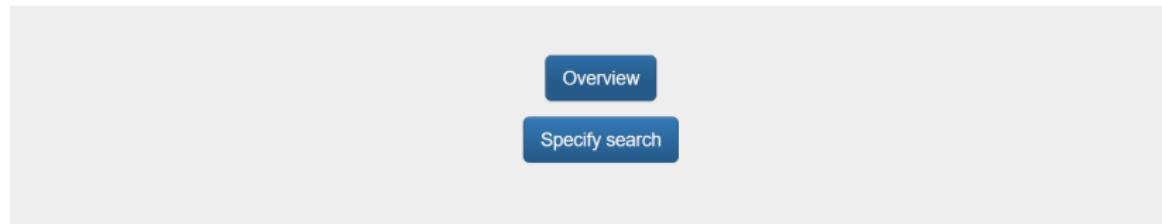
# Click stream (using Balsamiq)



# WebApp prototype (using Bootstrap)



# WebApp prototype (using Bootstrap)



# WebApp prototype (using Bootstrap)

Overview   Home   Search   New offer   Edit profile   Support   Settings   Log out        

Start	End	Cat.	Price	Pick up
2016-11-21	2016-12-05	Student	280 kr	Roslags Näsby
2016-11-23	2016-12-09	Student	320 kr	Universitetet
2016-11-25	2016-12-13	Student	360 kr	Tekniska Högskolan
2016-11-27	2016-12-17	Student	400 kr	T-Centralen
2016-11-27	2016-12-15	Student	360 kr	Västra skogen
2016-11-27	2016-12-13	Student	320 kr	Kista

# WebApp prototype (using Bootstrap)

MySL

### Please sign in

Remember me

[Register me!](#)

[Forgot password?](#)

# WebApp prototype (using Bootstrap)

New offer Home Search **New offer** Edit profile Support Settings Log out Email Password Sign in

Start

End

Category

Price

Pick up place

Pick up date

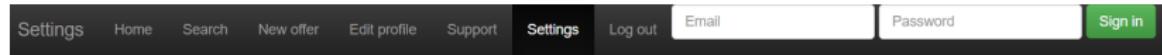
Saldo on card

Flexible dates  yes  no

Additional information

**Offer card**

# WebApp prototype (using Bootstrap)



The page shows settings for date format and phone number display. It includes a dropdown menu for date format, a radio button group for phone number display (yes/no), and a large blue "Save" button.

Date format: Select date format

Display phone number:  yes  no

**Save**

# WebApp prototype feedback

- ▶ Offers should be clickable in search-overview menu
- ▶ Put the calendar widget at the choice for the dates in Offer
- ▶ Logging out should return to home
- ▶ Offer in home and new offer in top menu: different outcomes

## Android prototype

- ▶ Based on our WebApp prototype and its feedback
- ▶ Developed using Android Studio
- ▶ Used GitHub with Android integrated functionality “VCS”
- ▶ Used SourceTree as desktop client & GUI for the repository
- ▶ Each team member developed certain pages of the prototype
- ▶ Implemented transition and connection between pages

# Android prototype feedback

- ▶ Buttons
  - ▶ Text must be larger and/or in bold
  - ▶ Must be marked in a sharper color on bright light backgrounds
  - ▶ Search/offer look too similar to overview/specify search
  - ▶ Convenient to have a home button on all screens
- ▶ Calendar
  - ▶ Good to have the calendar so it is not necessary to type dates

## Android prototype outlook

- ▶ The map information shall be improved and implemented
- ▶ The app logo should be seen on all screens
- ▶ Home or back button on the top menu should be implemented

# App web service

- ▶ Google Maps API
  - ▶ Displays the location of the pick-up place
- ▶ Facebook API
  - ▶ Allows registration and login with Facebook
  - ▶ Enables integration and better customized service
- ▶ SQLite API
  - ▶ Relational database management system
  - ▶ Saves the data in a clear and manageable manner

# Demo