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Submission Instructions

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GitHub Username: doueng

Vansbroappen

Description

Vansbrosimningen is a yearly open air swimming race. Because it's held outdoors the swimming conditions can vary very much from year to year. With Vansbroappen you can analyse your performance by comparing your results to the top three swimmers and thereby get a more meaningful assessment of your performance.

Intended User

The apps intended user is people who have competed in Vansbrosimningen.

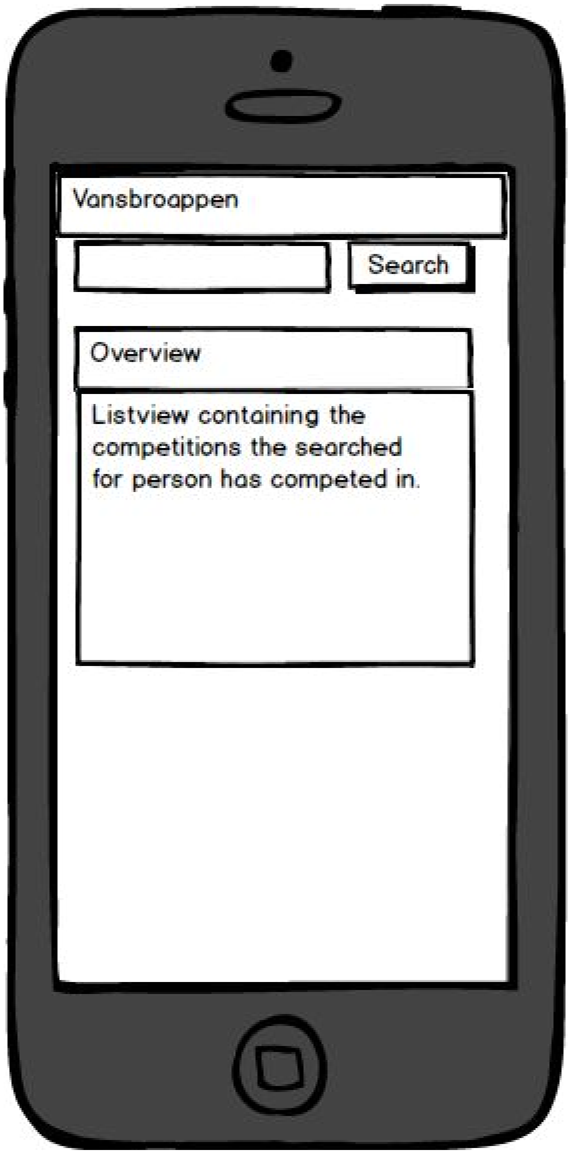
Features

- Database of all the results from Vansbrosimningen
- Able to compare performance over multiple years

User Interface Mocks

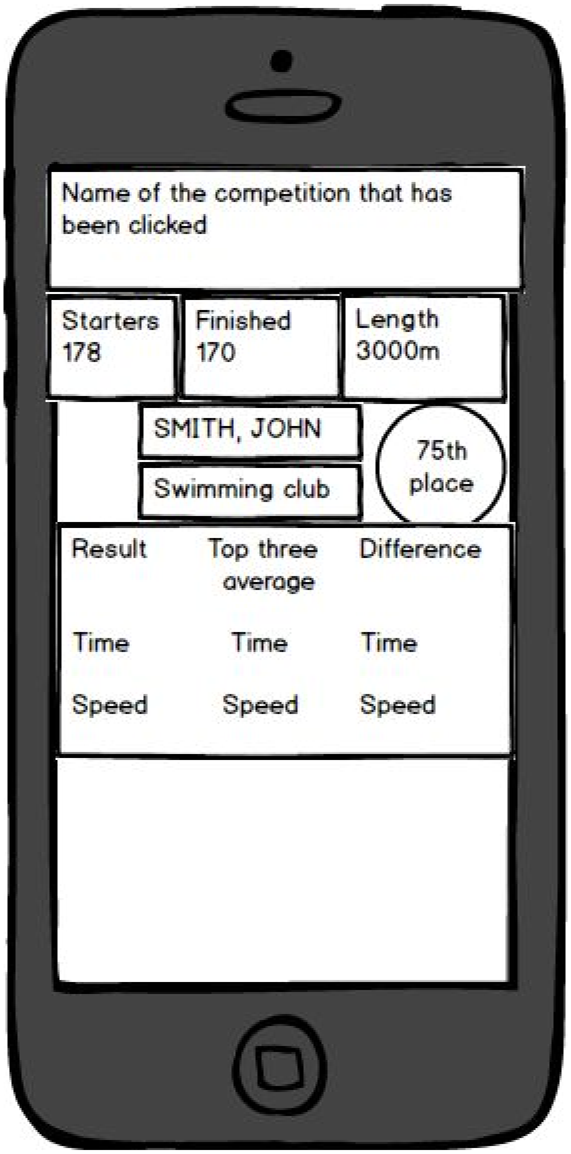
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1


Vansbroappen
Search
Overview
Listview containing the competitions the searched for person has competed in.

First screen contains a search bar and button. When the user searches for a name and it exists in the database an overview button and a listview of all the competitions the person has competed in is shown. If the searched for name does not exist in the database a toast is shown.

Screen 2



Name of the competition that has been clicked

Starters 178

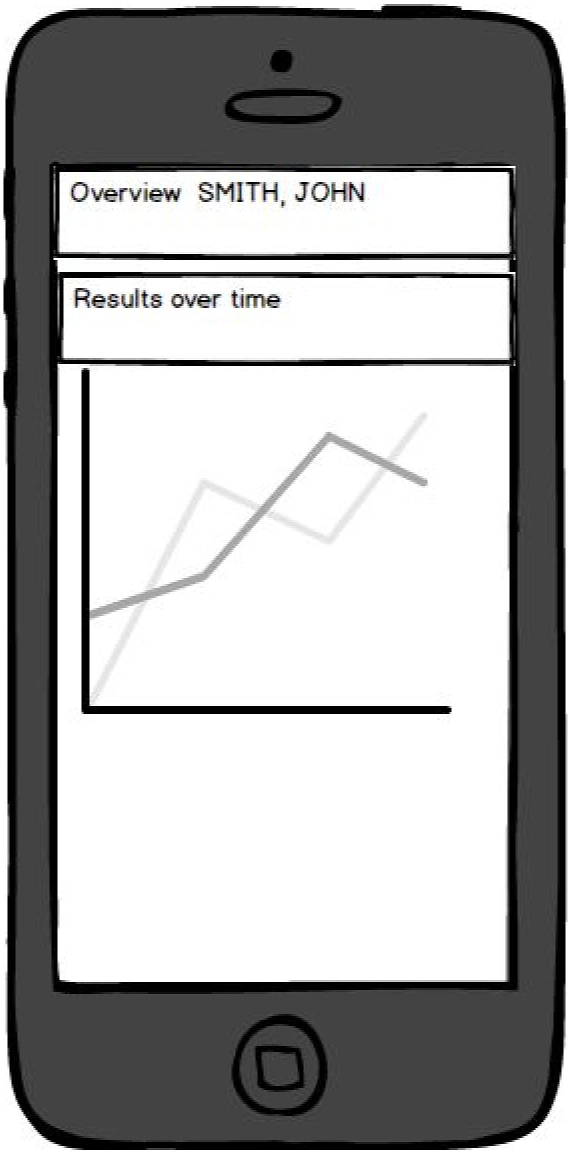
Finished 170

Length 3000m

Result	Top three average	Difference
Time	Time	Time
Speed	Speed	Speed

When the user selects a competition from the listview this screen is shown giving additional details about the particular competition and comparing the persons result to the average result of the top three competitors.

Screen 3



If the user selects the overview button then this screen is shown. This screen contains three charts in a scrollview. The first one details the persons finishing position over time, the second one shows how their finishing time compares with the average of the top three over time and the third compares their speed with the average of the top three over time.

Key Considerations

How will your app handle data persistence?

The app will have its own database with a content provider which i will build myself.

Describe any corner cases in the UX.

There are no corner cases.

Describe any libraries you'll be using and share your reasoning for including them.

The app will include the Butterknife library for easy view binding, the android design library for material design support and the google services library for admob and analytics.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

Configure libraries.
Get the competition data from the internet and add them as Json-files to assets folder.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for search fragment
- Build UI for individual competition fragment
- Build UI for overview fragment

Task 3: Build database

- Build database contract
- Build database
- Build content provider

Task 4: Asynctask to fetch data from Json-files to database

Describe the next task. List the subtasks. For example:

- Get searched for name from EditText in SearchFragment
- Format input to match names in the Json-files
- Build asynctask
- Search the Json-files for the input name, if the name exists add stats to the database
- Query the database for the input name and return the cursor to the main activity with an asyncresponse interface
- Use cursor to populate a listview in search fragment using a custom cursorloader or if the name does not exist in the Json-files a toast will be displayed.

Task 5: SearchFragment and OverviewFragment

- Use a loader to populate the SearchFragment and the OverviewFragment with data from the database

Task 6: Build a widget

- Build a widget which displays info from the OverviewFragment
- Build a settings option to control whose data should be shown in the widget.

Task 5: Add google services

- Add a banner add to the bottom of the SearchFragment with AdMod
- Add google analytics

Add as many tasks as you need to complete your app.

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