

Developer Documentation

Major modules

At the beginning of the project it was decided that we would divide the application into 2 parts, the backend and the frontend/main application. The backend handles all the communication between the device and the external resources/servers. It also saves and handles favourites and planned trips that we store on the device itself. When the main application asks for resources from the servers the backend also makes sure that the results from the servers are in the correct format and useable by the main application.

API-level

We started out on API-level 15 because it was reasonably new and the application will be able to be used on about 94% of all devices running Android. We later had to change it to API-level 16 to be able to easier start background activities.

External dependencies

The project needs the Google GSON library for better JSON support as the backend and our external resources returns JSON objects to the application. Since it's easy to create JSON objects and read them from files we also use JSON to store information on the device, like favourites and planned trips.

Application start-up

When the application is started it will launch the `ResekompanjonActivity`. From there the user will be able to search and navigate to different screens with the `Drawer Fragment`.