General plan

1. **Personal information**

   Uni-Canteen

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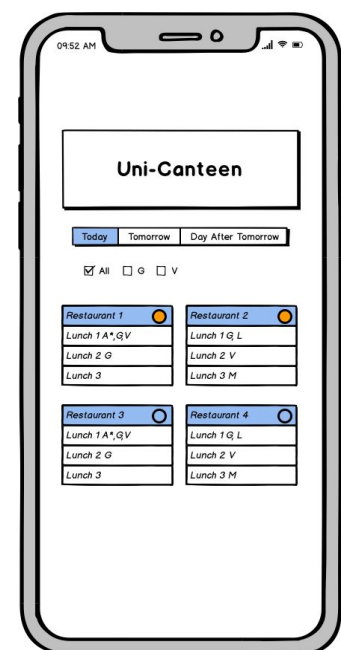
   Second year of studies

2. **General description**

   Uni-Canteen is a scala application that gathers the weekly menus of student restaurants in Otaniemi and displays them in a centralized manner (cf. Kanttiinit / ruokalistat.net). The work will include at least 2 restaurants from both Fazer and Sodexo with additional features:

   - Filter menu items based on allergens.
   - Support for choice of favourite restaurants.
   - Inform users about menu items that contain a dish or a component (like fish) that the user has reported to like (show this in GUI in some reasonable way).

3. **Draft user interface**

   Uni-Canteen will be a text-based application in the beginning. The program communicates with the user by giving the error message if the user gives the wrong inputs. The users can favour their choice of restaurants and those restaurants will appear first on the list. The users can also filter menu items, for example, based on allergens, then the related menu will be in bold text, or the unrelated menus will disappear. The menu will have the information if the food contains allergen, or if it is vegetarian, lactose-free, or gluten-free. Graphical User-Interface will be added later on if there is available time.

4. **Files and file formats**

   Data will be obtained using JSON from the restaurants' websites (at least Fazer has it available on the website). If the GUI is implemented, the logo of restaurants, and other images will be in jpeg or png format.

5. **Plan for system testing**

   Project is tested by comparing whether the data provided and the lunch list on the app are synchronised. The app should provide the correct information as well, when the user gives correct inputs from the additional features. The Gui will be tested by trying to run the program and see if it works accordingly.