**Health Monitoring Application Development Workflow**

Back-end:

1. Create DB (MySQL);
2. Create data\_preparation.py;
   1. Connect to DB (with python library) and load data
   2. Create def data\_prep (username) that will return dictionary (see dictionary structure)
   3. Transform dictionary to json
3. Create Flask web-server (app.py)
   1. Import data\_preparation.py module
   2. Create route that renders index.html template and create def index () that will return template with json data
   3. Create basic html structure in order to check that json is received
   4. NB! Install react.js in local computer and connect react.js with flask (to figure out how to get json data from flask)

Front\_end:

1. Create web design
   1. Install react.js (if not installed yet), Material UI (in order to use graphical libraries from Material UI)
   2. Create react app
   3. Add Material UI components

Merging components:

1. Merge 2 with 3
2. Merge 4 with 2-3