**Android Assignment: Design Notes**

**List of Activities:**

* **Splash-Screen (?)**
* **Main Page/Screen**: menu buttons (Start New Trip, Previous Trips, etc)
* **Start\_New\_Trip**: give name and start tracking
* **Current\_trip**: start trip and show map with time, camera button and finish trip button
* **View previous trip**: show trip name, details, temperature, map etc.

*Database to be used*: Rooms

**Current structure:**

* **Main page: list of paths**
* **Gallery: thumbnails of photos from trips**
* **New trip: form to create new trip**
* **Map activity launches after trip created, date passed in**

**To-do:**

* **make main page dynamic (list trips from DB)**
* **see commented out database code and create DB functions**
* **Live function that reloads gallery to update picture list from Rooms (instead of adding the image directly as it does now)**
* **Take a picture button doesnt work yet (activity exists but not connected)**
* **need to save everything when trip is paused**
* **look into getting 2 tables with relations so that we have 1 table for trips and 1 with images (image names and paths linked to respective trip)**
* **store polyline in table 1 (trips) and get waypoints to create smooth path**
* **app must be persistent (run even when closed)**
* **TODO in NewTripFragment**
* **Get Save button to work for taking photos (SQL query from DB)**

**\*\* Code → Generate –> Getter and Setter**