**Proposal for Phase 1**

**1)** **With user’s permission, app should be able to collect location information. (1 minute interval) - With proper ethics protocol.**

Reasons: Relying location data solely from Garmin might have too much information loss. (e.g. When user forgot to activate/deactivate widget.)

**2) Location data will be stored locally in user’s handphone.**    
Reasons: Data file’s size is small. This can be deployed without building a server.

**3) Data will be sent to an email periodically and clear data periodically with delay.**

Reasons: This can be deployed without building a server. Researcher can easily get access to these data by logging into the email account.

**4) User login ID & password will be stored locally in user’s handphone. (Ask for Garmin’s account)**

Reasons: Each user login to one device only. Does not require server.

**5) On first login, user will be guided to add activity tag to a few places that they go frequently. ( Implement with a short survey ? )**

Reasons: This gives extra information to support light activity diary and reduce ambiguity for certain significant places with multiple labels.

**Proposal for Phase 2**

**6) “Light” activity diary + mode of transport is recorded by Widget’s Activation’s Splits.**

- Each row has: Date, Start Time, End Time, Activity, Location, Mode of Transport, Happiness scale, Comments.   
- Read Diary, Write Diary, Edit Diary 

Reasons: To reduce the number of records required from users, user are only prompt to record light activity diary for Widget’s session and more details are always encouraged.

**7) Labels of significant places will be provided as a separated table and stores in researcher’s database.**

Reasons: With longitude and latitude of user’s location, these labels can be easily added by merging these two tables in researchers PC. (e.g. if longitude is between -31.95 to -31.96 and latitude is between 115.86 to 115.87, add label “Shopping Mall”.)