**Mobile Application Development: Application To-Do List**

***General***

* Implement relevant data validation throughout the application
* Implement a share feature which can share date through **Email, SMS or Other Social Media** for
  + Holidays
  + Visited Places
  + Specific Photos
* Implement a fun and engaging way to interact with the app through a non-standard gesture

***Home Fragment***

* Implement Take a Picture button and be able to assign and save it to a current holiday

***Holiday Fragment***

* Add validation to ensure name and dates are entered
* Implement imageView on createHoliday page
* Implement suitable method to edit/view a holiday (toolbar)
* Starting and Ending Locations may be removed as this is not necessary
* Should be able to add more than 1 visited place to a holiday

***Map Fragment***

* Implement Map View of current position on Map Fragment
* Implement Get Current Location
* Implement markers representing visited locations, which can be filtered via
  + A particular holiday
  + A time period
  + Specific Companions
* Implement another set of markers representing the location of a photo
* User should be able to identify nearby places of interest according to categories
  + Places to Eat, Tourist Attractions etc.
* QUESTIONS
  + Does each photo recorded within the app need to have a location? If so, what location should be recorded?
    - * Implement a many-to-many relationship table for each image and represent that by each place or each holiday

***Gallery Fragment***

* Implement Take a Picture button and be able to assign and save it to a **current holiday** or a **visited location**
* Implement a sort for the following picture fields:
  + Date (of picture taken)
  + Tag
  + Holiday (name)
  + Visited Place (name)
  + Geographical Location
* Implement a search and sort images within the following fields
  + Date (of picture taken)
  + Tag
  + Holiday (name)
  + Visited Place (name)
  + Geographical Location
* QUESTIONS
  + How to sort via geographical location
  + If user sorts via Holiday, how is the visited place images then sorted? And vice versa, where if the user sorts via visited places, then how are the holiday images sorted?

***Visited Places***

* Implement new linked table for Visited Places
* Implement method to create/edit/view visited places and be able to assign them to a current holiday
* Fields should include name, date, location (manually/automatically), notes and a photo
  + Compulsory fields are
    - Name
    - Date
* Visited Place must be visible on the Map Fragment via Markers which can be clicked to view more information