

DEMOGORGON (ANDROID)

Will Byers, of a small town named Indiana got teleported to a different dimension, the "*Upside Down*". His friends, family and other acquaintances somehow managed to rescue him back from the upside down but along with him they also brought the horrific memories of the so called "*Demogorgon*" which kept haunting him for long.

We expect you to build a simple app which keeps a track of all the visions Will has of the other world and bring him back each time he has one of his visions. The description for the same are given below:

NECESSARY FEATURES :

- It will have a main activity, which would comprise of a **ViewPager**, one of whose items comprises of a list of all the visions Will has. This can be done by using a **ListView**. The description of the other viewpager item is there later on.
- There will be a **FAB (Floating Action Button)** which allows the user to add a new list item which basically depicts a new vision Will has.
- Clicking on the FAB will invoke a **Dialog** which takes as an input a name who is assigned the task of saving Will and a button which uploads an image from gallery. Each item of the ListView will consist of an image (chosen from dialog) , a name who is assigned the task to save Will and a label which says either *Rescued* or *Save Me* depending upon whether he is rescued or not.
- Clicking on a list item opens up another activity which consists of an image, the name of the person who has to save Will and a button which says *Save Me* (you can add some other things to this page if you wish, it's all about your creativity).

- Clicking on this button, a dialog pops up asking for the name of the person rescuing him. If the name matches with the assigned person, the label changes to rescued else you have to display a **toast message** saying that Will can only be saved by the assigned person. Keep in mind that label needs to be changed in the list item as well and the save button needs to be disabled in case Will has been saved.
- The other viewpager item consists of a list of those people who have been assigned the task of saving Will. Clicking on each item will open up another activity displaying an image, a short description of the character from the tv series itself and the number of rescues by the person as in the app.

NOTE: You need to use **SQLite databases** to store all the data required.

BONUS FEATURES :

- Elegant User Interface, particularly **Material UI**.
- Using **RecyclerView** instead of a **ListView**.
- Replacing **activities** with **fragments** will be a great add on.
- A visual indication (probably a small animation like displaying a rescued text over image) when there is a save event.
- Allowing the user to choose an image from gallery or capture it through camera while choosing an image for each list item as mentioned earlier.

PS: Words in bold can be used as keywords for Google search.