

**MOBILE APPLICATIONS DESIGN
(CS6314)**

LAB ASSIGNMENT 1

FULL APPLICATION REPORT/README

APPLICATION NAME: AVENGERS STORY

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*Screenshots used are taken in OnePlus 7.

**For Audio related functionality, please keep your volume sufficient.

1. LANDING SCREEN/ACTIVITY:

(i) UI:



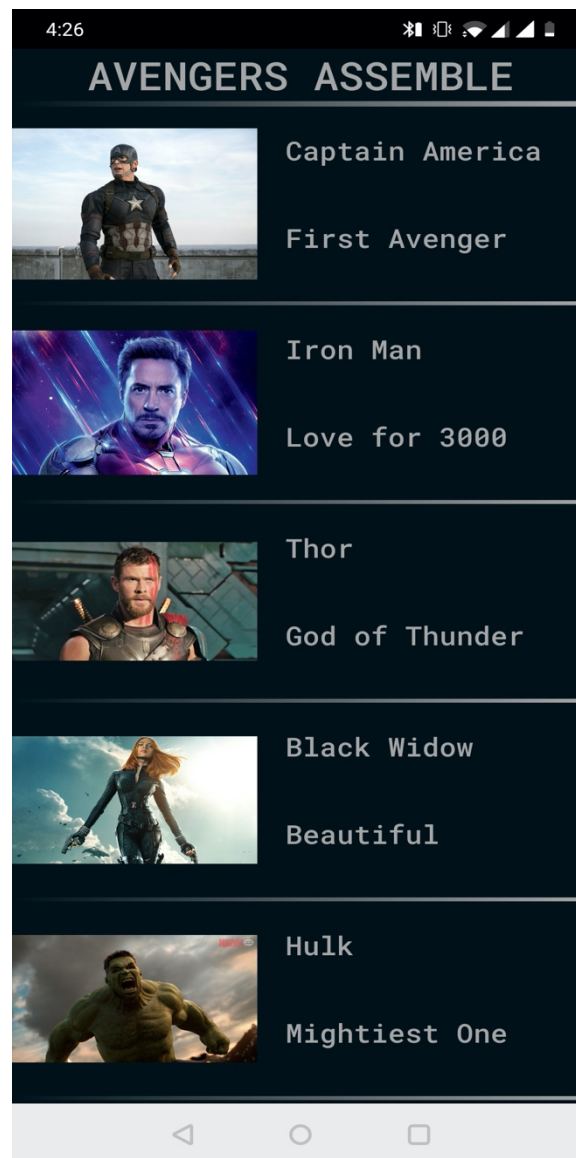
(ii) **Functionality:** It shows splash screen with an image and a music in the background. It will remain for 6 seconds and then it will get passed onto the main activity. (Note: Please keep volume sufficient to listen the entry theme.)

(iii) **Personal Contribution:**

- Used splash screen to show one Avengers image and their entry theme music in the background.
- A text to give credits to Marvel and SHIELD.
- Music used is stored in the application's raw folder.
- The image used is stored in different sizes in drawable directory to sustain its consistency and the quality.
- Added a logo for the application and updated for the same in the manifest file.

2. CUSTOM LIST SCREEN/AVENGERS LIST:

(i) UI:



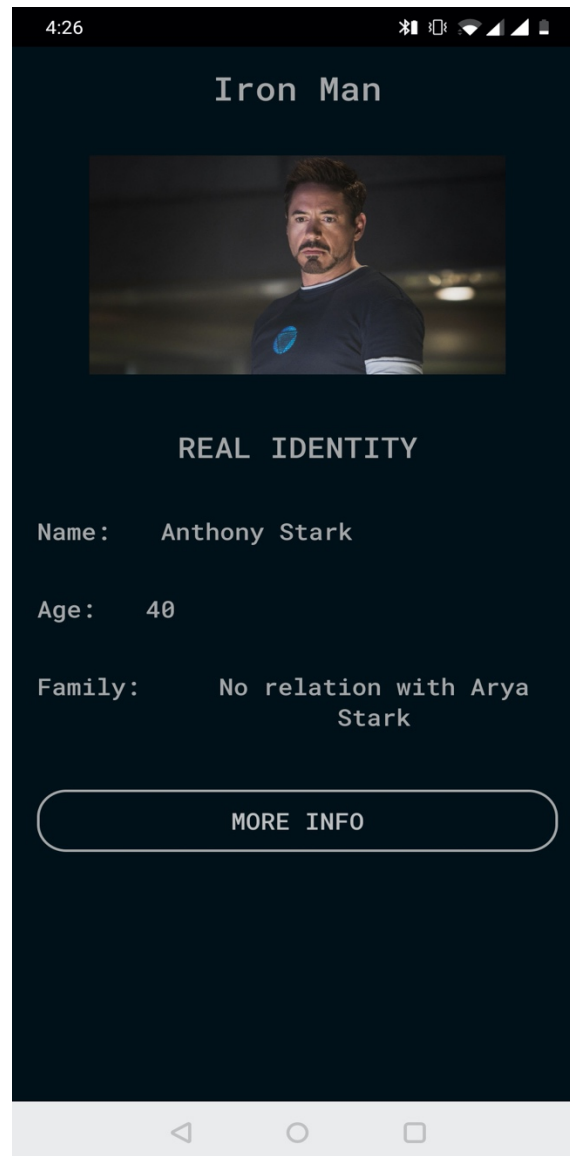
(ii) **Functionality:** This screen shows custom list for Avengers. A particular item in the list view contains an image for the Avenger, his/her name and a short tagline/description. The list of Avengers is stored in XML and it is fetched in the list view using XML parser and the model class. As any Avenger is clicked you will get more information about him/her.

(iii) **Personal Contribution:**

- Worked on UI/UX to give some futuristic feel.
- Used different font to give same feel.
- Used gradient color in the divider.
- Asset manager is used to store images and music(for button "PLAY MY VOICE") to load the same in the list and for other activities.

3. AVENGERS INFO (FIRST):

(i) UI:



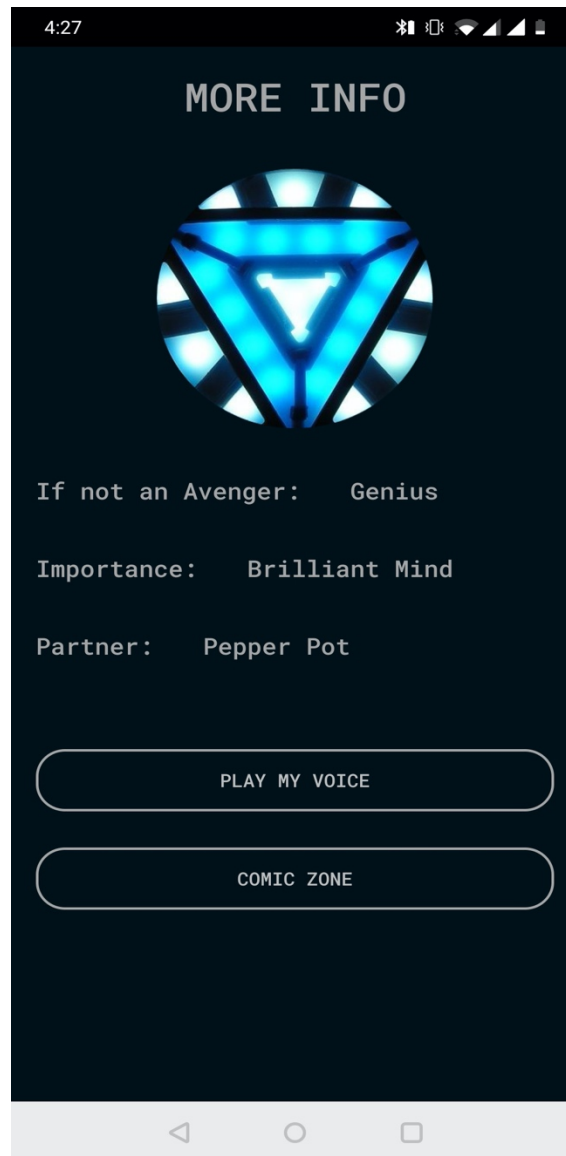
(ii) **Functionality:** This screen shows little information of the selected Avenger from the previous screen such as a picture of him/her not as the Avenger, name, age and family. A button to go onto the next activity giving more information.

(iii) **Personal Contribution:**

- Worked on UI/UX to make the app simpler to navigate.
- Added round borders to the button.
- Added scroll view so if app is run on the small screen the text part will scroll.

4. AVENGERS INFO (MORE):

(i) UI:



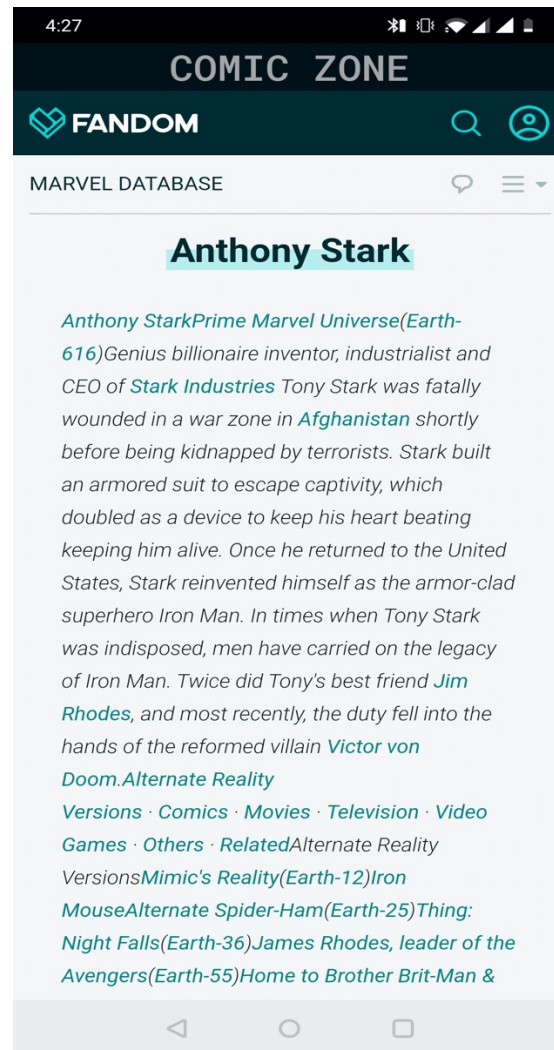
(ii) **Functionality:** This screen shows more information of the same Avenger. A logo image of the Avenger and some more information like if he/she was not an Avenger, the importance/role and his/her partner. Added 2 buttons, one to play his/her favorite dialogue from the movie and second to open the 4th screen i.e. Webview.

(iii) **Personal Contribution:**

- Worked on logo image, I have made the shape as circle for better look.
- Added round borders to the button.
- For “PLAY MY VOICE” button, I am using MediaPlayer, android’s pre-defined function.

5. COMIC ZONE (LAST ACTIVITY):

(i) UI:



(ii) **Functionality:** After clicking on “COMIC ZONE” button on the previous screen, this activity/screen displays a webview opening comics related website specific to that Avenger.

(iii) **Personal Contribution:**

- Added a webview to display information.