How to Use this Template
1. Make a copy [File → Make a copy...]
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Submission Instructions
1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"

GitHub Username: natahere

Dr. APJ Abdul Kalam

Description

The app is dedicated to my mentor Late Dr.Kalam, former president of India. The app will contain quotes of Dr.Kalam, Books written by him, his profile and other interesting information about Dr. Kalam. Dr. Kalam is a Bharat Ratna and this app will ensure that his inspiring quotes uplift and motivate millions as he did all through his life. This app aims to be a small tool to make Dream India a reality and make India a better nation.

Intended User

Common Public across the globe – Dr.Kalam is a renowned name across the world; especially app is targeted towards students and youth.
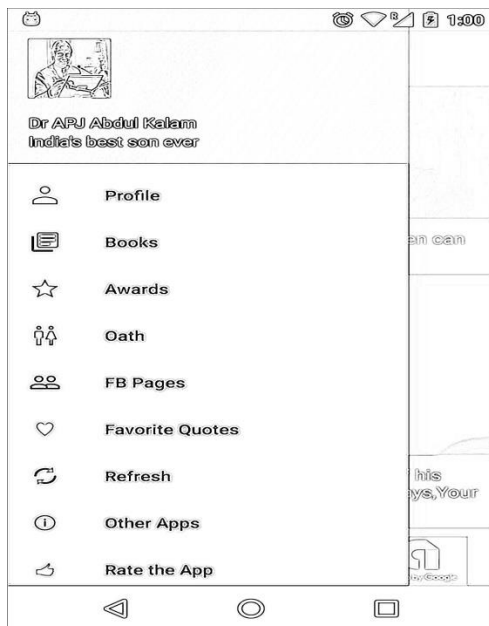
Features

App contains,

- Profile – A brief profile of Dr. Kalam
- Quotes – Close to 200 quotes of Dr.Kalam – Will be the landing page
- Books – Written by Dr. Kalam
- Oath – All oath right from Youth to common man and professionals
- Awards – received by Dr. Kalam
- Favorites Quotes

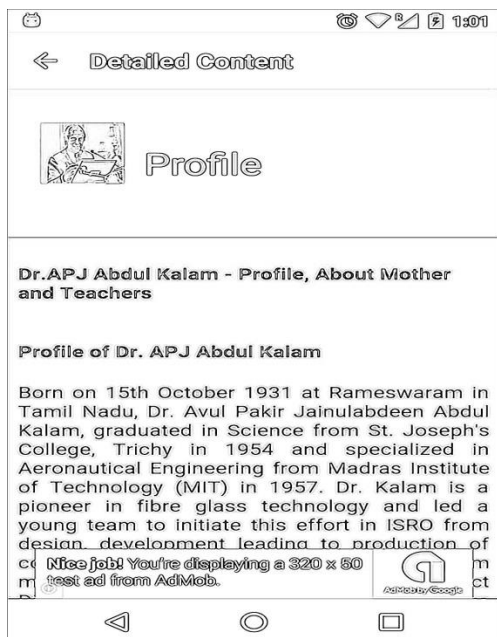# User Interface Mocks

Screen 1

App contains Navigation Bar that lists the sections available

Screen 2

The landing screen, the one that comes by default displays the quotes.

Profile and other sections that display details.

A detailed screen that shows the quote and also provides option for marking favorite quotes etc.

Key Considerations

How will your app handle data persistence?

Database:
- Content Provider - Planning to use SimpleSQLProvider
- Tables – Quote table and Favorite table
    - Quote Table -> Quote ID, Quote – When marked Favorite entry would be made into Favorite table
    - Favorite Table -> Quote ID, Quote

Describe any corner cases in the UX.

Not applicable

Describe any libraries you'll be using and share reasoning for including them.

- Retrofit - to call the API and load data
- Picasso – Load images
- ButterKnife

Describe how you will implement Google Play Services.

- Google Ads – Banner ads
- Invite other users to use the app https://firebase.google.com/docs/invites/android

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Identify the number of activities or classes required
- Identify and include the libraries required
- Decide on the min API and Target API [24]

Task 2: Implement UI for Each Activity and Fragment

- Build UI for launching Quotes page – planning to use Grids
- Navigation Bar – With all sections
- Detailed View to show Quotes and details on profile, awards etc.

Task 3: Other Tasks

Widget:
- Widget that shows quotes from App at periodic intervals

MISC:
- Will ensure RTL and accessibility needs are addressed
- Will include Key Store dummy data
- Will use AsyncTask to pull updated quotes as and when user requests for the same.