How to Use this Template
1. Make a copy [File → Make a copy...]
2. Rename this file: "**Capstone_Stage1**"
3. Replace the text in green

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: Your GitHub username here

E-School

Description

E-School facilitates communication between School, teachers and parents/students. This App can be used by leading schools to put technology in the hands of their teachers, enabling them to very easily communicate with Parents and their students.

Intended User

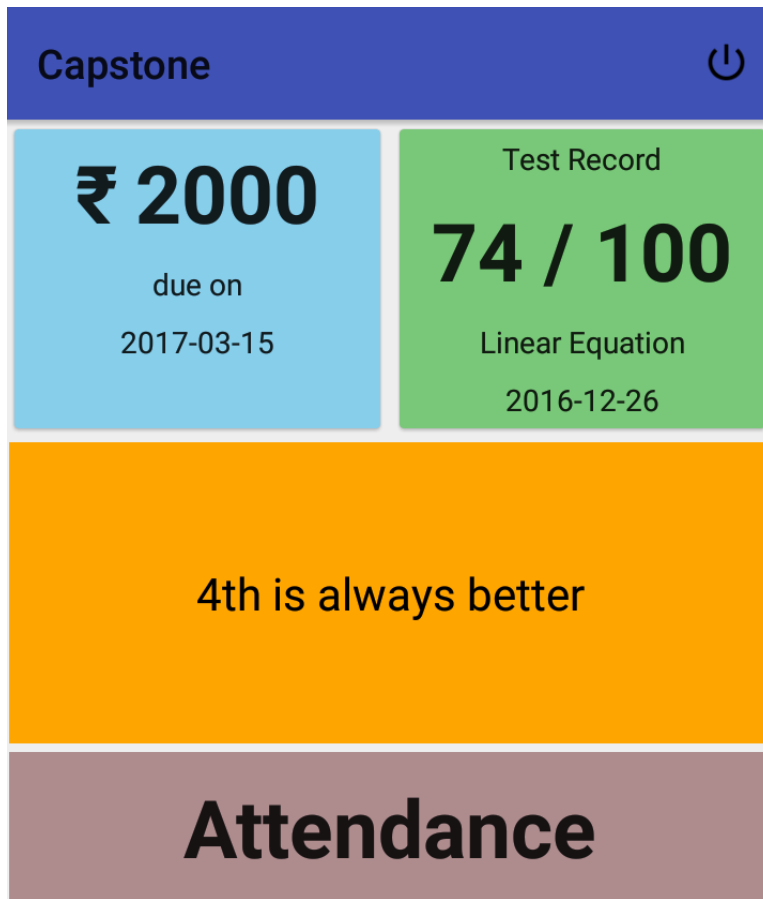Parents / Guardians

Features

List the main features of your app. For example:
- Eliminate Miscommunication
- Regular Updates

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1

This is the main page of the app which shows the data for the student

Screen 2

Notifications
Test
Linear Equation 74 / 100
Welcome to E-School

The widget shows the recent test and recent notification

Key Considerations

How will your app handle data persistence?
No need for persistence

Describe any corner cases in the UX.

Describe any libraries you'll be using and share your reasoning for including them.
Butterknife : used to bind views
Retrofit : for calling firebase webservice

Describe how you will implement Google Play Services.
1. Firebase Authentication : for logging in and validating user
2. Firebase Analytics : For registering page clicks

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

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.
You may want to list the subtasks. For example:
● Configure libraries
● Something else

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

1. Finalize the functionalities of the App.
   1. Fetch Test Results, Fees, Attendance, Notification
2. Create an Android Project

Task 2: Integrate Firebase Authentication:

1. Create Firebase Authentication Framework in App.
2. Create Users in Firebase console.
3. Call the authentication Api.

Task 3: Implement Firebase Database:

1. Create Firebase Database using console.
2. Create web service framework for fetching fees, attendance, test data.
3. Create UI for Fees, Attendance etc.
   1. Create UI for LandingActivity
   2. Create Fragments for Fees, Test, Attendance and Notifications

Task 4: Implement Retrofit to fetch Fees, Test, Attendance Data from server

Task 5: Implement Firebase Analytics

Task 6: Integrate Widget Provider

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