**How to Use this Template**

1. Create a new document, and copy and paste the text from this template into your new document [ Select All → Copy → Paste into new document ]
2. Name your document file: “**Capstone_Stage1**”
3. Replace the text in green

**GitHub Username**: mihirn82

# MY Teleprompter

## Description

This is a simple teleprompter application which allows you to type and edit your text and teleprompt it.
Features provided:

1. Add as many scripts as needed.
2. Change settings like Font size, Auto-scrolling, scroll speed with a preview mode.
3. Enable Mirroring for using with mirror.

## Intended User

Anybody who wants to be a professional speaker

## Features

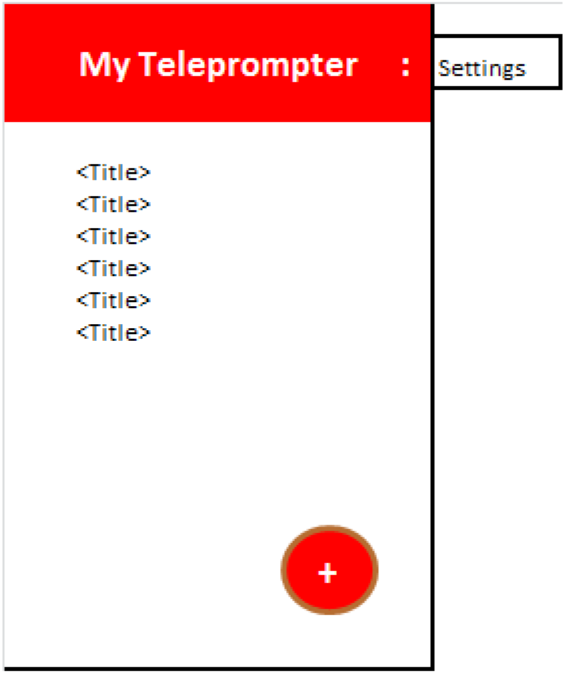
List the main features of your app. For example:

- Add new scripts and edit existing ones.
- Change settings viz. font size, auto-scrolling, set scrolling speed, mirroring and preview mode of the settings.
- Teleprompting the scripts

## User Interface Mocks

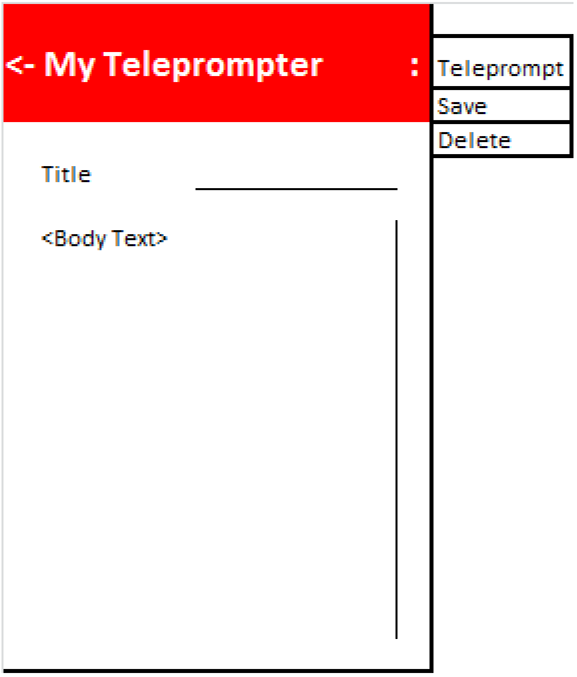
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

## Screen 1 (Main Activity)



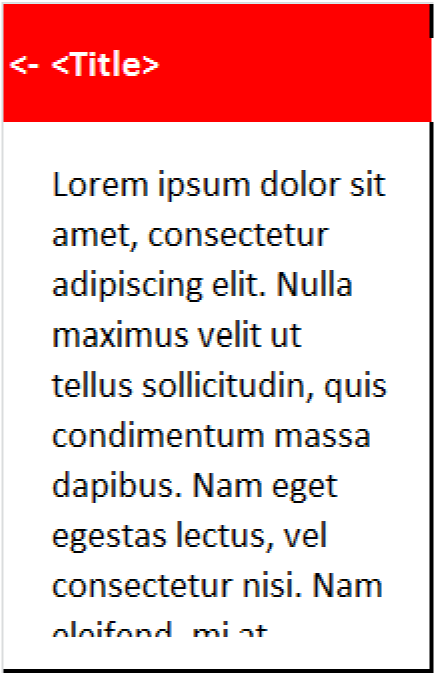
- Shows the list of scripts available for teleprompting. Clicking on any of the script will navigate the user to Editor Activity. User can edit existing script.
- User can add a new script by clicking FAB. Clicking on FAB will navigate the user to Editor Activity. User can add content for new script.
- Settings Activity can be launched by clicking on the Settings icon on the top right corner in the Menu Bar.

## Screen 2 (Editor Activity)



- User can add a new script in this activity by adding the title and the script content and clicking on Save in the top right corner of Menu Bar.
- User can edit existing script in this activity by modifying the title and the script content and clicking on Save in the top right corner of the Menu Bar.
- User can delete existing script by clicking on Delete in the top right corner of the Menu Bar.
- User can teleprompt the script by clicking Teleprompt in the top right corner of the Menu Bar.

## Screen 3 (Teleprompt Activity)

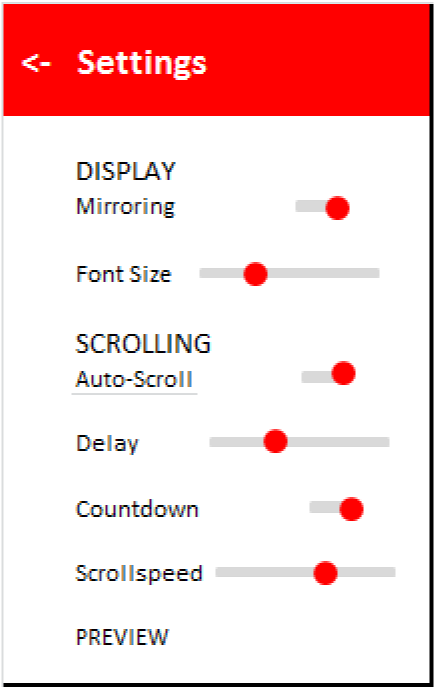


<- <Title>

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla maximus velit ut tellus sollicitudin, quis condimentum massa dapibus. Nam eget egestas lectus, vel consectetur nisi. Nam eleifend, mi at

- User will teleprompt the script in this screen.
- This is a full screen activity where the script will scroll according to user defined settings.
- User can also manually scroll the text.

## Screen 4 (Settings Activity)



<- Settings

DISPLAY

Mirroring ●

Font Size ●

SCROLLING

Auto-Scroll ●

Delay ●

Countdown ●

Scrollspeed ●

PREVIEW

- Mirroring: Mirror image of the script on the screen.
- Font size: Select Font Size
- Auto-scroll: Enable auto-scrolling
- Delay: Set the delay after which auto-scrolling will begin
- Scroll speed: Set the speed for auto-scroll
- Preview: Preview the script with the current setting

# Key Considerations

### How will your app handle data persistence?

The app will use Content Provider to handle data persistance.

### Describe any edge or corner cases in the UX.

The user will return from the teleprompter screen by pressing the back button

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

Butterknife library to bind views and eliminate findViewById.

### Describe how you will implement Google Play Services or other external services.

Google Admob – Integrate ads in free version

# Next Steps: Required Tasks

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

## Task 1: Project Setup

- Create Project with name “Capstone-Project” using the latest version of Android Studio.

- Research on similar apps and learning from their experiences.
- Create the design architecture.
- Specify minimum and target SDK versions.
- Configure libraries.
- Set signingConfigs in gradle build scripts with debug key store and dummy passwords.
- Research about APIs using samples provided in link/github projects.
- Build sample database schema to store required information.

### Task 2: Implement UI for Each Activity and Fragment

- Build UI for Main Activity
- Build UI for Editor Activity
- Build UI for Teleprompt Activity
- Build UI for Settings Activity

### Task 3: Add Transitions

- Implement Transitions for Activities

### Task 4: Data Persistence

- Implement Content Provider
- Build CRUD logic on the database

### Task 5: Accessibility Support

- Add content descriptions

### Task 6: Integration Testing and bug fixes

- Perform integration testing and make sure things are working correctly
- Fix issues that come up

### Task 7: Implement Widgets

- Implement widget logic.

## Task 8: Google Play Services Implementation

- Use Admob to create test ad
- Use Analytics to monitor crashes.

## Task 9: Responsive Design Implementation

- Design for mobile landscape mode.
- Design for tablet in both portrait and landscape modes.
- Fix the issue data persistence because of UI/UX change.

## Task 10: Build & Sign

- Create a free signed apk version.

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**Submission Instructions**

- After you've completed all the sections, download this document as a PDF [ File → Download as PDF ]
  - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"