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Teleprompter

Description

Teleprompter app will allow users to type up or copy/paste any script/text & use it as a teleprompter. The text will scroll based on the settings that the user chooses. The script can be saved and retrieved later on. This app can be used for practicing and delivering public speeches, lectures, and seminars.

Intended User

Anyone who would require a powerful visual aid while engaged in a public speaking activity. To name some -
News readers
Public Speakers
Singers

Professors

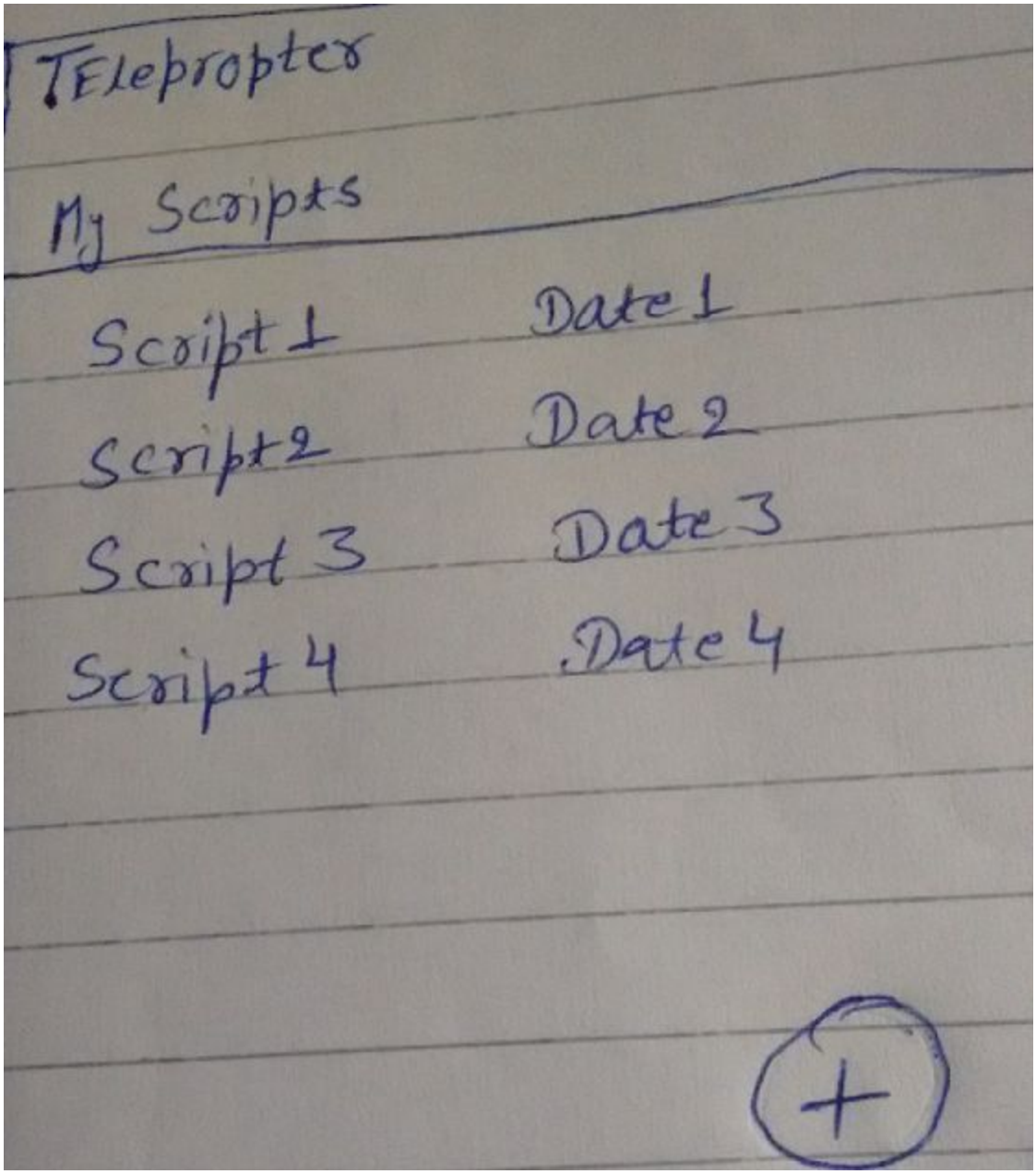
Features

Main features of this app:

- Displays stored scripts.
- Functionality to customize the font size, line spacing and scroll speed.
- Functionality to change background and foreground colors.
- Functionality to save script for future use.

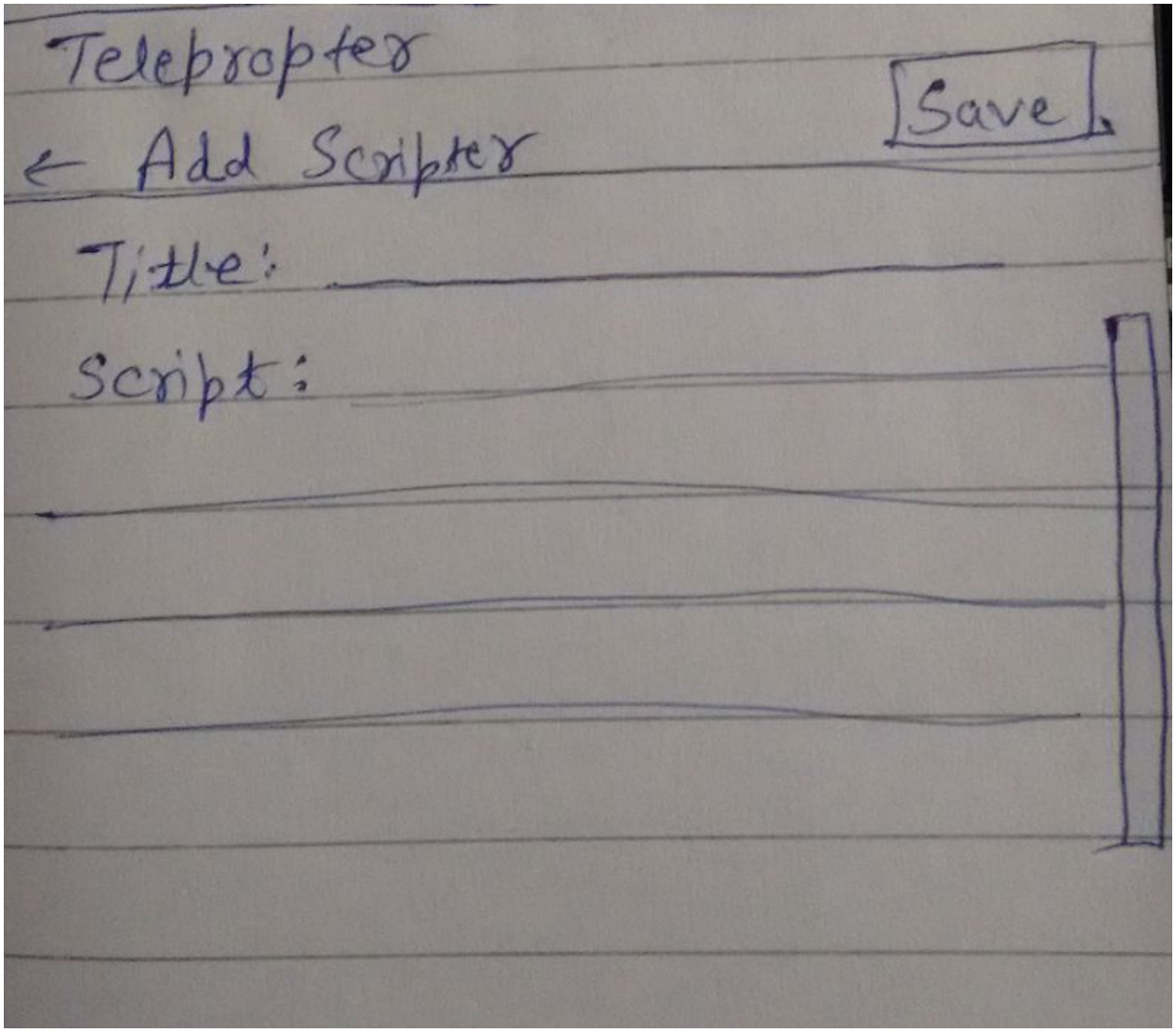
User Interface Mocks

Screen 1



Sceen1 is MyScripts screen. It is entry point for the app. It displays all the stored scripts to the user. By clicking on any script, user would navigate to Screen3, script detail screen. By clicking on floating add button, user would navigate to Screen2, add script screen.
If user would use free version of this app, Ads would get displayed at the bottom of this screen.

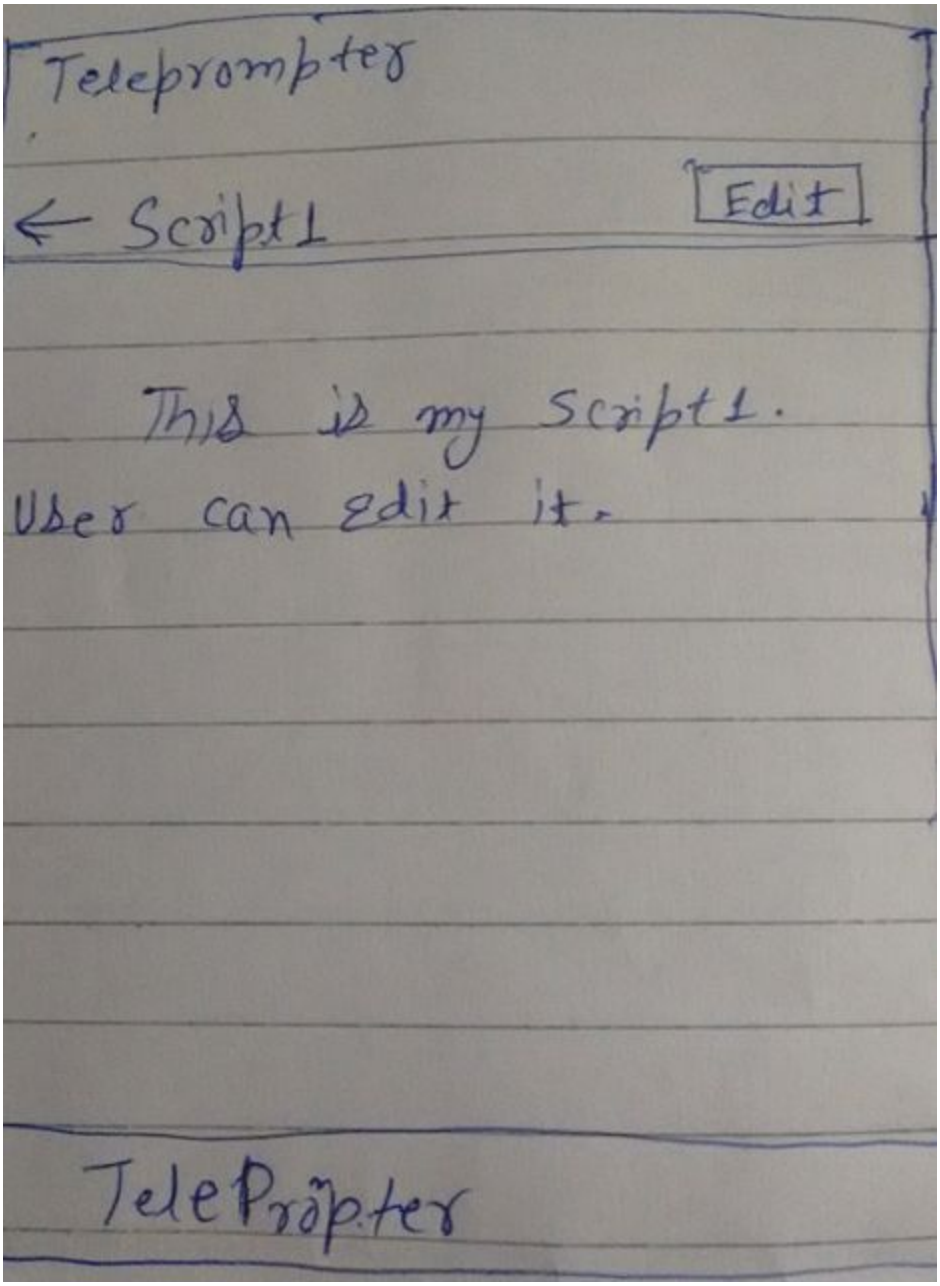
Screen 2



Screen2 is Add Script screen. User can provide a title and content for this script and then save it.

Screen 3

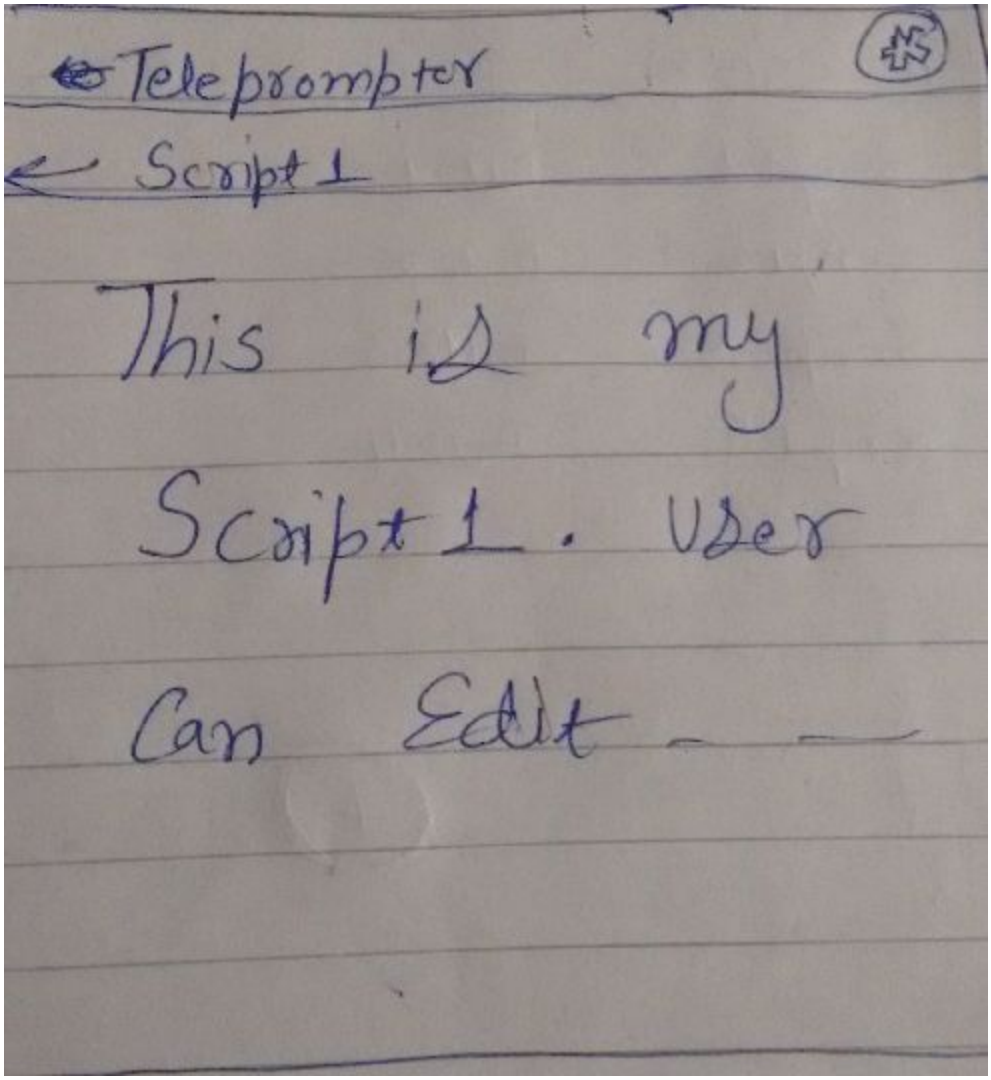
Screen2 is Add Script screen. User can provide a title and content for this script and then save



it.

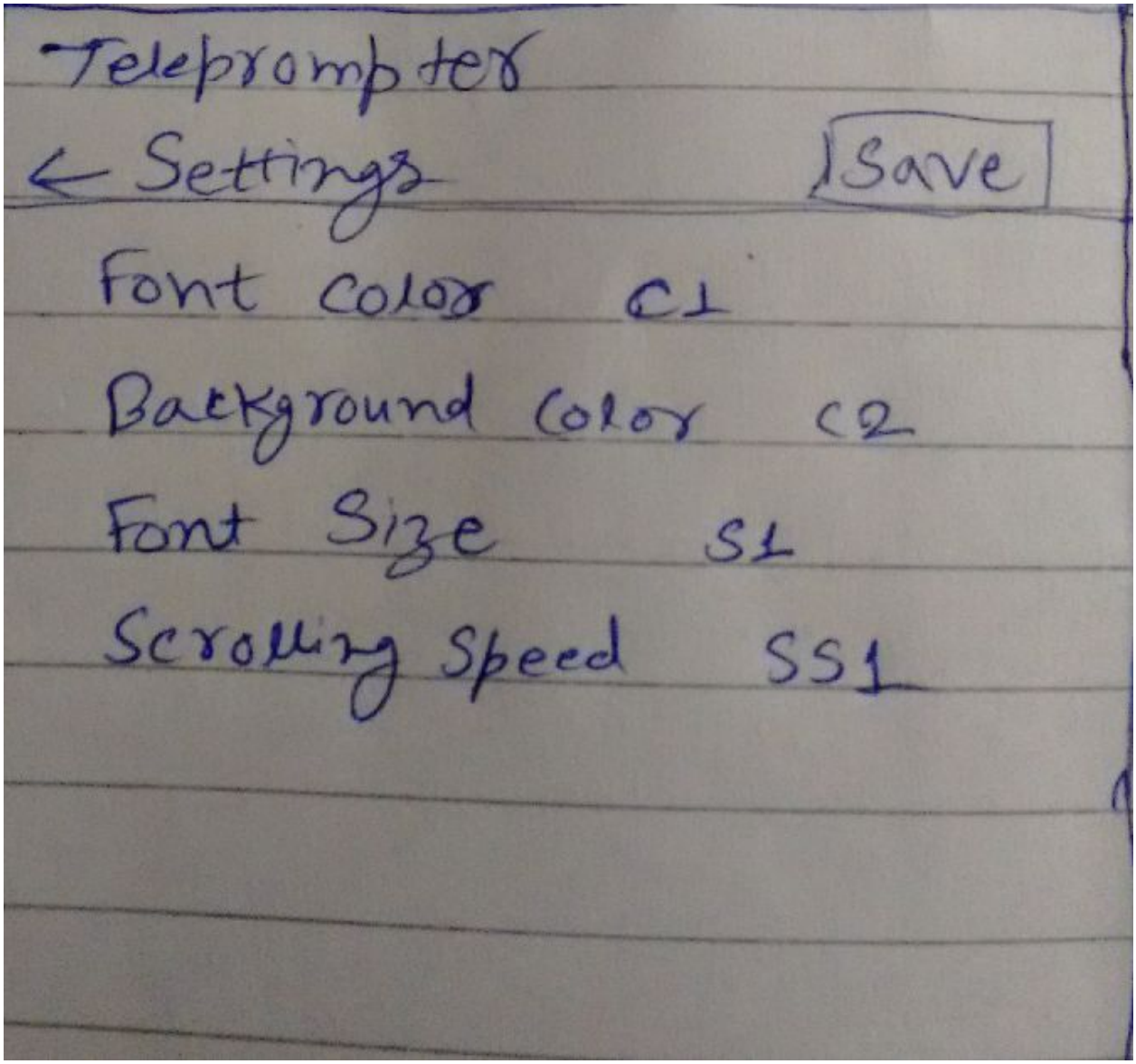
Screen3 is View Script screen. User can read the script, can edit the same and can use teleprompter for this script. By clicking on Teleprompter button, user would navigate to screen 4, Teleprompter screen.

Screen 4



Screen4 is Teleprompter screen. User would see the selected script in user prefered text size and colors. By clicking on Settings icon, user would navigate to screen 5.

Screen 5



Screen5 is Settings screen. User can select font size, font color, background color, Scroll speed. When user clicks on save button all these values would be stored in sharedpreferences and teleprompter would read these setting to display scripts to the user.

Key Considerations

How will your app handle data persistence?

Application will have a content provider to manage all the scripts. Application's teleprompter display settings will be saved in sharedpreferences.

Describe any corner cases in the UX.

There will be four screens:
1. Entry point would be My Scripts Screen; which would display a list of all the stored scripts.
2. Add Script Screen; which would allow the user to copy/paste or type a new script.
3. Teleprompter Screen; which would display the script as per the user selected settings.
4. Settings Screen; which would allow user to choose different settings options like font size, scroll speed, colors etc.

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

Application will use google play services library in free version of the application to show ads from admob.

Next Steps: Required Tasks

Task 1: Project Setup

1. In Android Studio, We'll create a new project, with name Teleprompter
2. Under Configure your new project , we would provide the following fields:
    - Application Name : Teleprompter
    - Company domain: None
    - Package name : com.learn.teleprompter
    - We would add gradle dependencies for admob
3. For Minimum SDK, we would select API 21.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks.
- Build UI for MyScriptsActivity
- Build UI for AddScriptsActivity
- Build UI for TeleprompterActivity
- Build UI for SettingsActivity

Task 3: Google Play services and Build Variants

1. Implement Google Play services to include Ads
    - Include required permissions for Google Mobile Ads to run in manifest
    - Include the AdActivity configChanges and theme

2. Create build variants : free and paid
    - Ads will only be in free version

Task 4: Take feedback from Udacity reviewers

- Submit project into github and take feedback from reviewer

Task 5: Incorporate Feedback and suggestions

- Incorporate all the feedbacks and suggestions into project
- Resubmit the project
- Repeat step 4 and 5, until project is in stable and improved state.