GitHub Username: temunide

Code Stories

Description

Code Stories is a social networking app that lets users post and read small stories.

Code Stories helps distressed programmers to get over with it by reading stories of other like-minded programmers.

Intended user

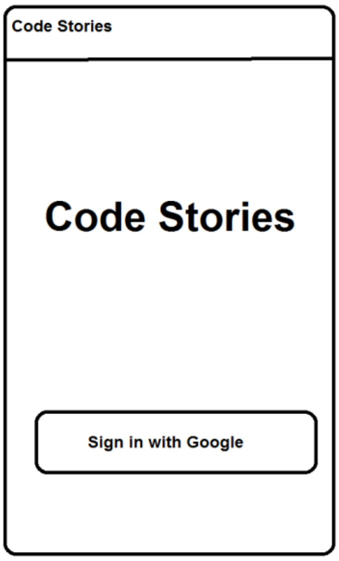
Programmers, Developers, all IT Guys.

Features

- Shows Stories
- Posts Stories
- Bookmark Stories to read them Offline
- Allows user to subscribe to topics.
- Home Screen widget to display latest posts.
- Notifies users when a new has been posted by subscribed topic.

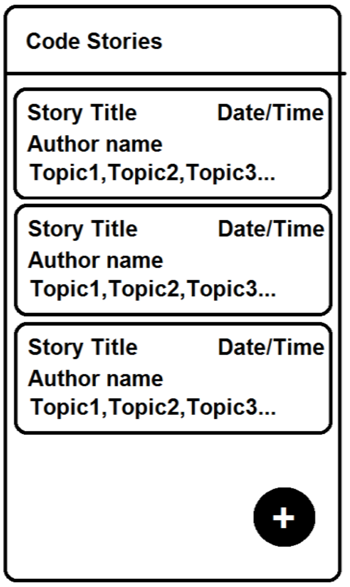
User Interface Mocks

Screen 1

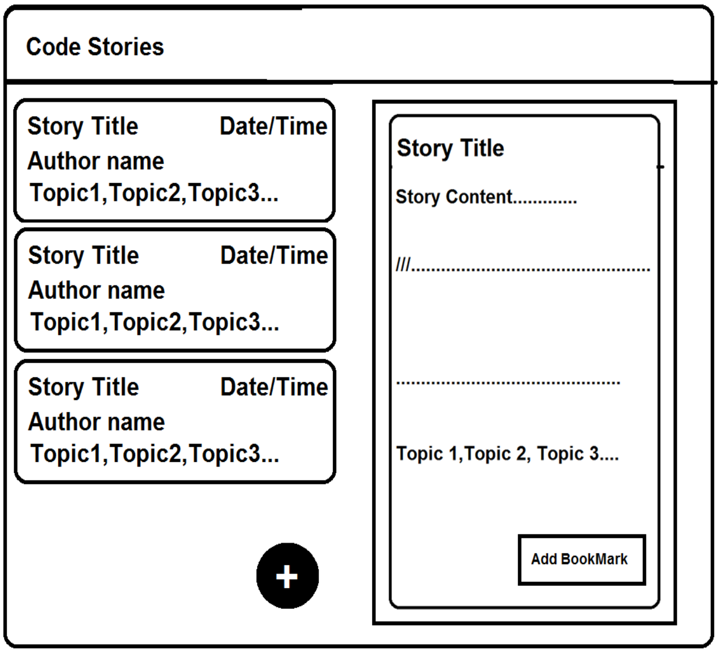


Screen 2

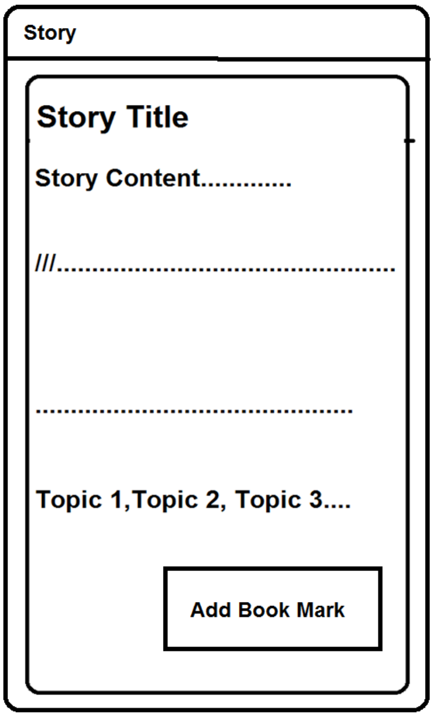
Phone



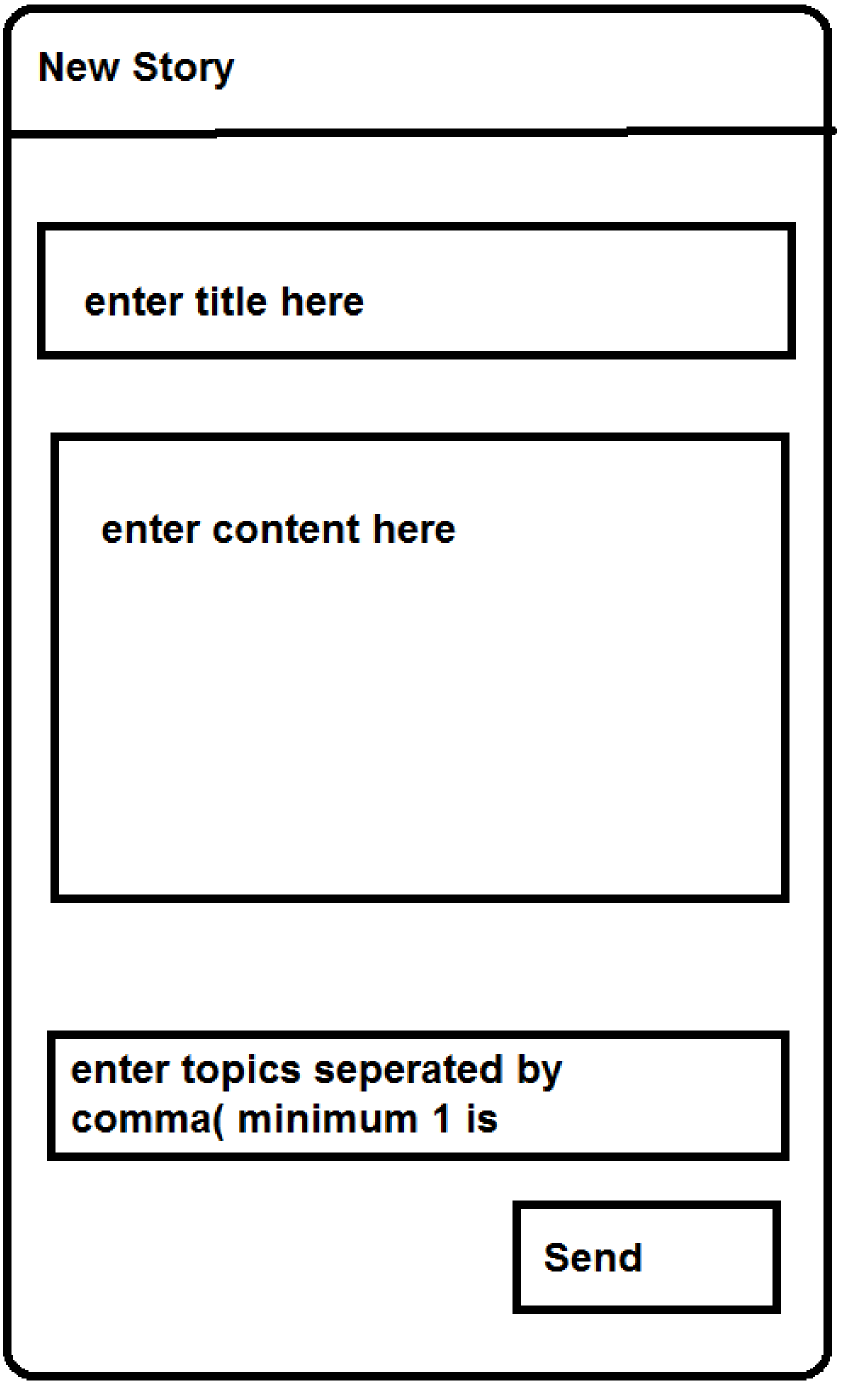
Tablet



Screen 3



Screen 4


New Story
enter title here
enter content here
enter topics seperated by comma(minimum 1 is
Send

Key Considerations

Data Persistence

App uses Firebase Realtime Database to sync stories among all users.

Activity Transitions

App implements standard transitions between Activities

Libraries used

- ButterKnife
  ButterKnife simplifies the UI Binding procedures.

Services Used

- Google Sign in
  To Authenticate users of the app.

- Firebase Realtime Database
  Used to store and sync the stories among all the users.

- Firebase Cloud Functions
  To send cloud messages when a new story is posted.

- Firebase Cloud Messaging
  To notify users when a story is added to their subscribed topic.

- Firebase Crash Reporting
  To detect any misbehaviour of production builds after release

Next Steps: Required Tasks

Task 1: Project Setup

You may want to list the subtasks. For example:

- Create Android Project
- Integrate Version Control with the help of GitHub.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for SignInActivity
- Build UI for StoriesListActivity
- Build UI for ReadStoryFragment.
- Build UI for ReadStoryActivity for NON - Tablet Devices
- Build UI for PostStoryActivity

Task 3: Add Google Sign In

- Add Dependencies to build.gradle
- Configure Google Api’s console to enable Google Sign IN
- Add a SignInActivity as a Launcher Activity.

Task 4: Master Detail FLow

- Create new Layout Resource for Tablets.
- Implement Master Detail Flow with Story Fragment.

Task 5: Hooking up with Firebase Realtime Database.

- Add Dependencies to build.gradle
- Display stories from Firebase database in the List of Stories
- Add a new Story to database from PostActivity.

Task 6: Add Feature Bookmark

- Enable offline capabilities of Firebase Database.
- Store Bookmarked stories offline.
- Add a Floating Action Button to allow users to add/remove bookmark.

Task 7: Subscribing to topics

- Subscribe user to a topic when user clicks on a topic,
- Saved subscribed topics in Shared preferences
- Unsubscribe from topic if clicked on already subscribed topic.
- Receive a Cloud Message when a story is posted in that particular topic.
- Add Firebase Message Handler Service extending Firebase Messaging Service
- Display a Notification.

Task 8: Home Screen Widget

- Add a Home Screen widget Provider
- Add Layout Resources and Provide info XML
- Add a service Sync data from Firebase database to home screen widget

Task 9: Polish UI

- Polish UI to make it usable, and improve accessibility.
- Make necessary changes to build a beautiful UI.
- Follow Material design Specifications while Building UI

Submission Instructions

- After you’ve completed all the sections, download this document as a PDF [File → Download as PDF]
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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**”