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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: rohan35

News Everyday

Description

NewsEveryday provides top news in english .
It provides top news based on World ,Technology,Sports,Business,Entertainment.the users that have less time and just wanted to know about what is happening in the world will get benefit from this application

This application has attractive user interface , easy to read news and user can store the news offline to read it later without internet connectivity

Intended User

News readers

Features

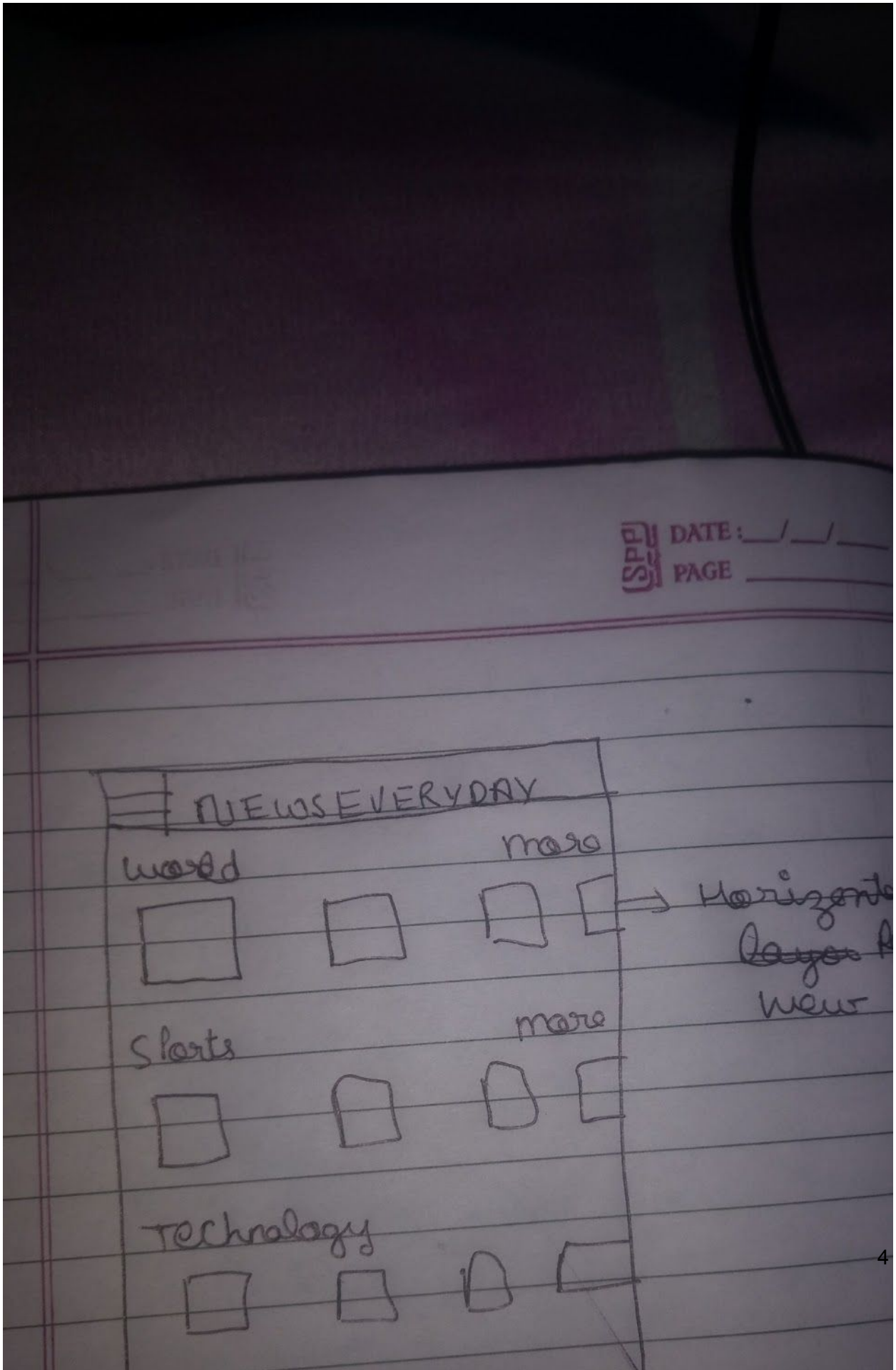
Application main features :

- Saves News for offline reading
- Find the top news about world,technology,sports,business,entertainment
- Read the news within the application with same format as on intended website

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


DATE :__/__/____
PAGE
NEWS EVERYDAY
world
more
Sports
more
Technology

This is the main screen of the application . it contains different sections for showing different news.
It contains a horizontal recycler view for showing news for each category ,
Contains navigation bar in which these sections are defined and also you can see more options over there
Clicking on more button will load more news and will take you different screen

Screen 2

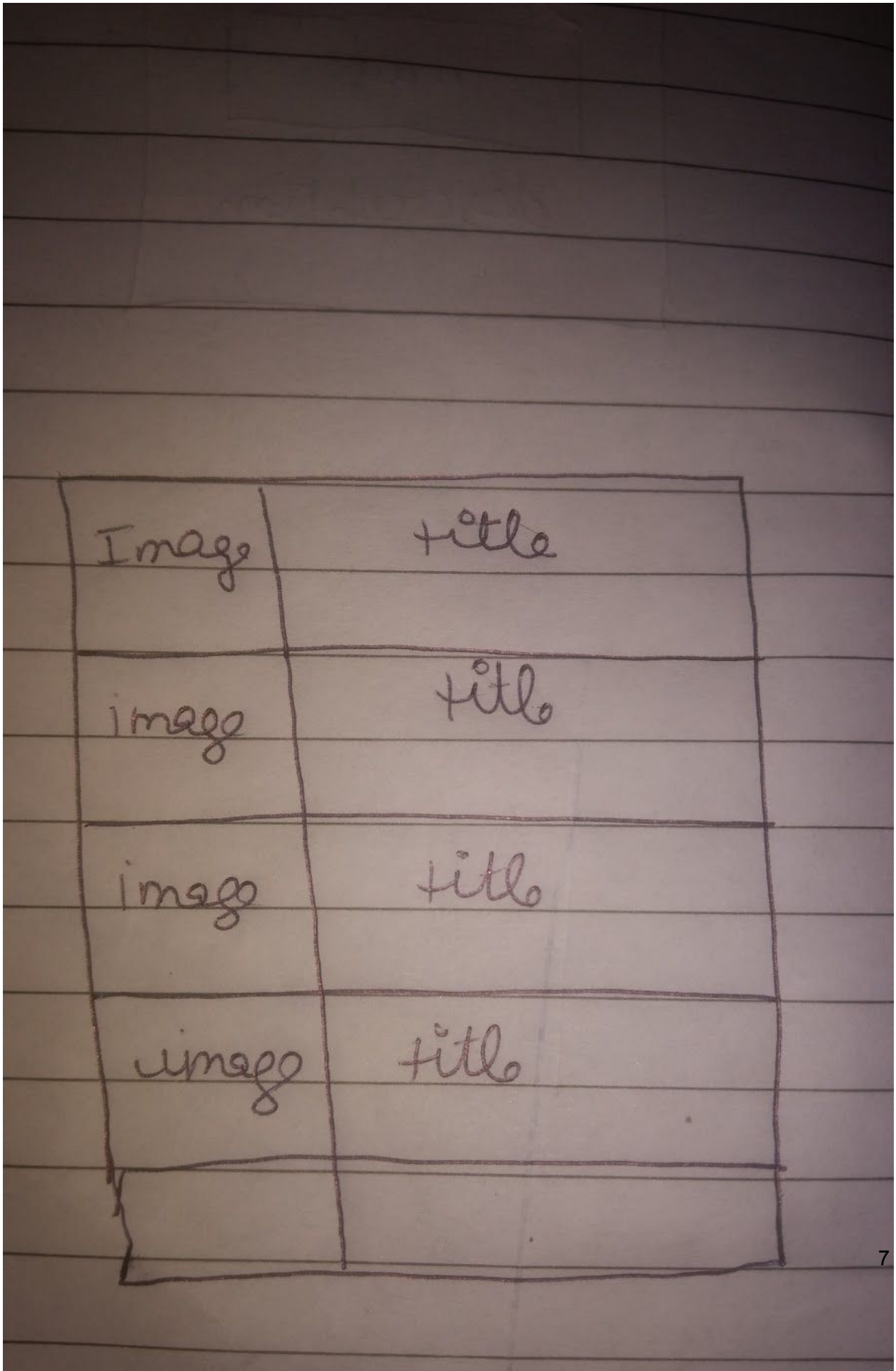
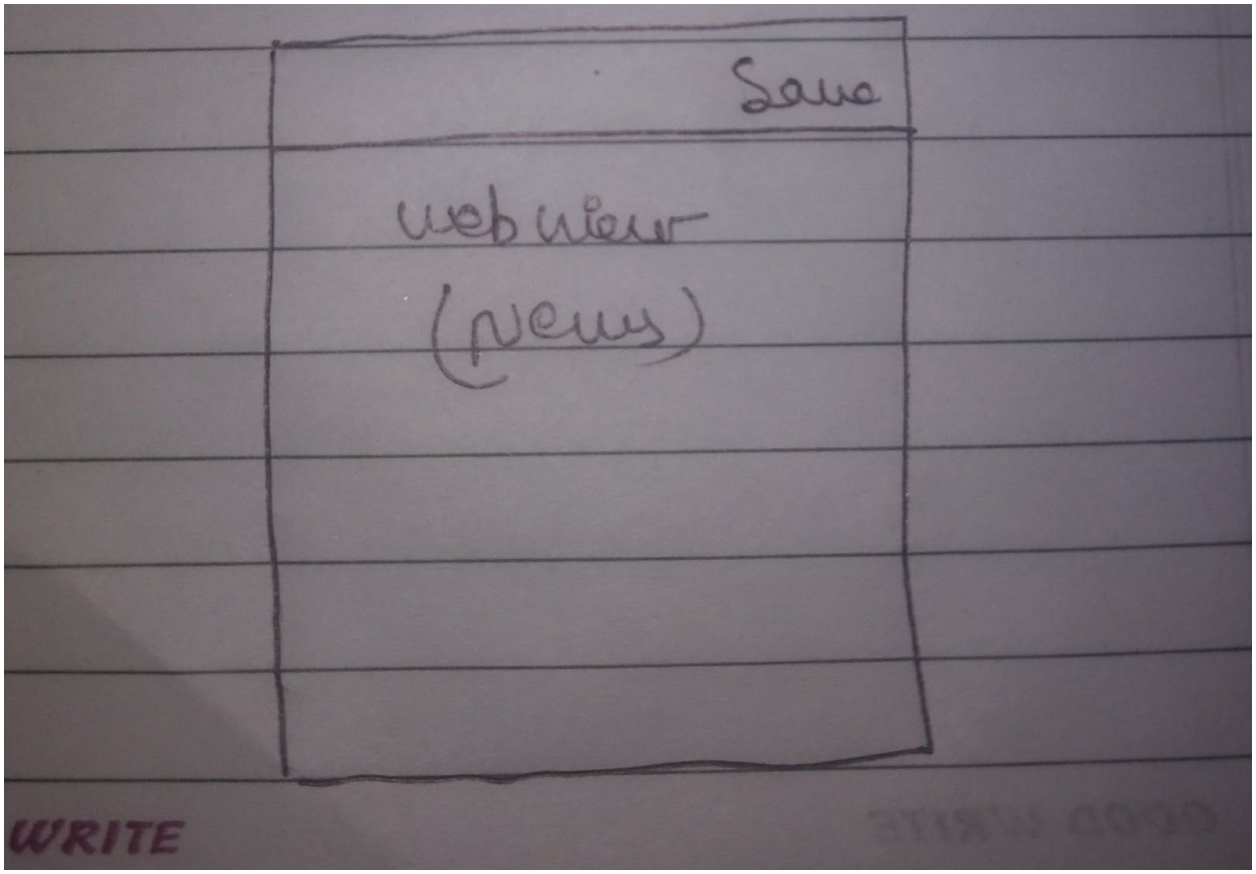
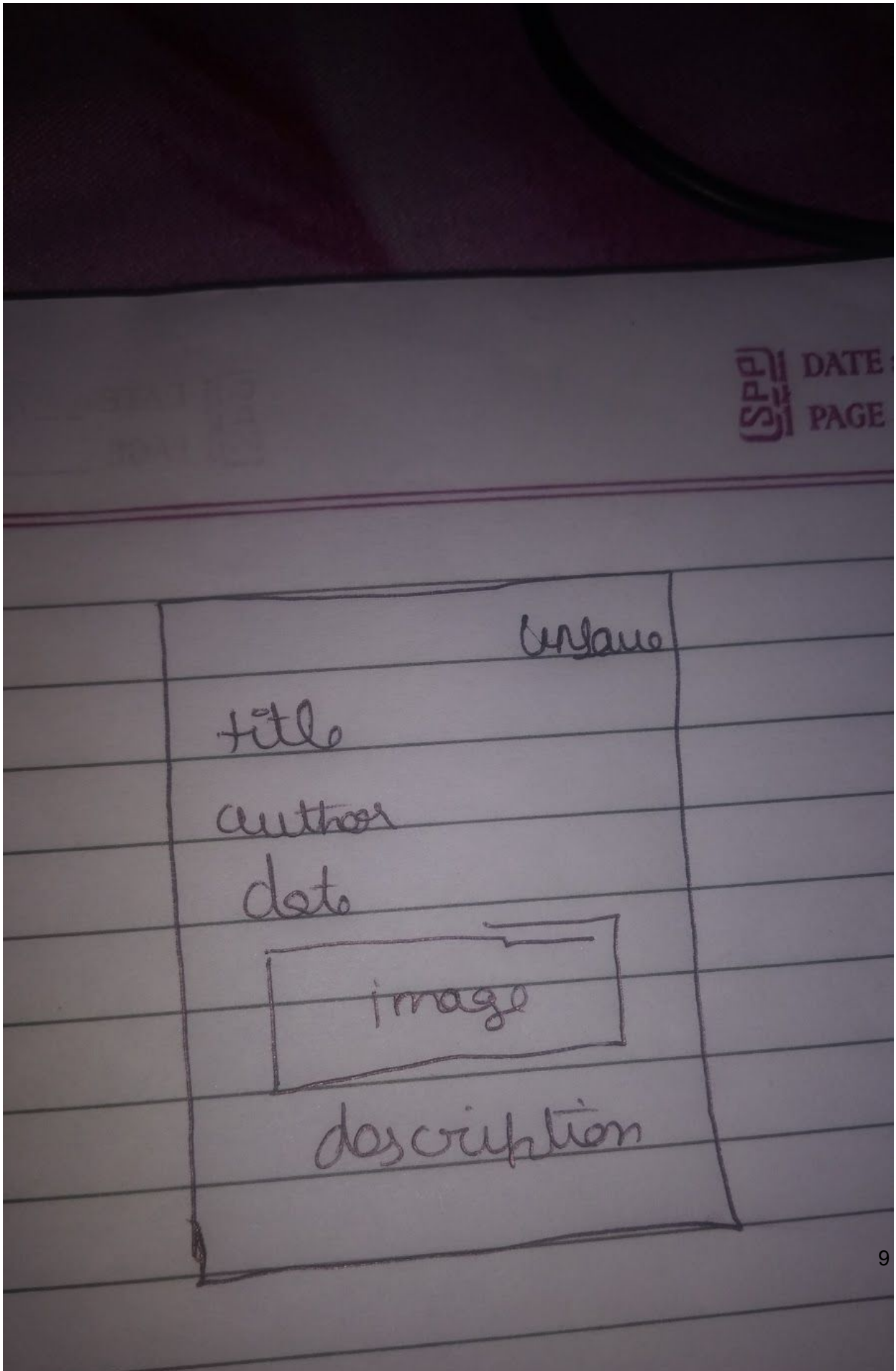


Image
title
image
title
image
title
image
title

The above screen loads when user clicks on more button from main activity
It contains the thumbnail image ,title of the news .it will be shown in vertical recycler view .
Clicking on any row will take you to the details of the news



The above image shows the details of the news using Advance webview
This will open the same format of webpage into the application .contains save button that store the news into the database for offline reading and share option will also be added for sharing the news


DATE
PAGE
urlname
title
author
date
image
description

This screen will show up when user will read the information offline you can remove the news from offline reading as well.
It contains title,author,date,image,description of the news

Key Considerations

How will your app handle data persistence?

Data will be stored in the database and images will be stored in external sd card .

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

Libraries:
1) Picasso for loading and caching the images
2) Design support library
3) Facebook sdk to allow login from facebook
4) google sdk to allow login from google
5) Firebase for storing the data and authenticating users

6) Okhttp for fetching the information in the background .
7) Advance Webview library for showing webpage within application
8) Cardview library for showing recycler view items in form of cards
9) Butterknife library for referencing views.

Describe how you will implement Google Play Services.

1) Firebase for authenticating users :`com.google.firebase:firebase-auth:10.2.0`
2) Google login :`com.google.android.gms:play-services-auth:10.2.0`
3) `Firebase for storing data online :com.google.firebase:firebase-database:10.2.0`

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.

- Create and setup project in android studio.
- Search and Configure libraries .
- Design the flow of the project .

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

Task 2: Implement UI for Each Activity and Fragment

- Build UI for LoginScreen
- Build UI for Main Activity
- Build UI for Saved news screen
- Build UI for Activity For Loading More News

Task 3: Implement Facebook and Google APIs

Describe the next task. For example, “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.
:

- Implement google login using firebase authentication
- Implement facebook login using firebase authentication
- Handle Error cases if any generated by above two APIs

Task 4: Get Data from NewsApi.org and display the results

- Build Async task for running background task
- Use Okhttp for fetching data from NewsApi.org
- Store the data in the database and display the results using Loader

Task5: Designing layout For Tablets

- Design app for tablets

Task 6: Handling Cases and testing

- Debug the application for different cases eg. No internet Connection
- Handle error cases when data is fetched
- Test the application at different level
- Analyse the bugs
- Check compatibility on older versions

Add as many tasks as you need to complete your app.

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