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TeckNow

Description

Are you interested in tech world? and always want to know what is new ?

TeckNow news app is suitable for you ,it fetches the tech news for you from four of the most top ten tech news websites TheVerge,TechCrunch,Engadget and TechRadar, and let you view the news for each of these four websites separately.

Intended User

This app for everyone who interested in tech news and want to be resourceful .

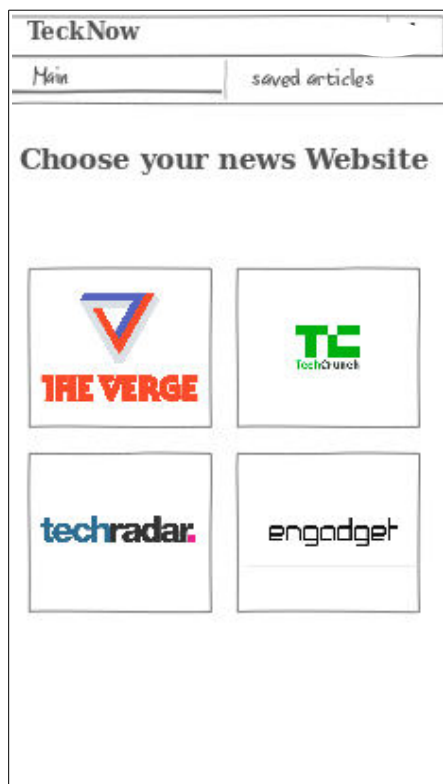
Features

- select the tech news website that the user wants.
- Display the tech news for the chosen website
- fetch the news in two categories the top of their webpage and the most recently published first.
- navigate to read the article on the original website .
- save the chosen articles to saved articles category .

User Interface Mocks

Main screen

this is the main screen for the app that allow the user to choose the tech news website he wants



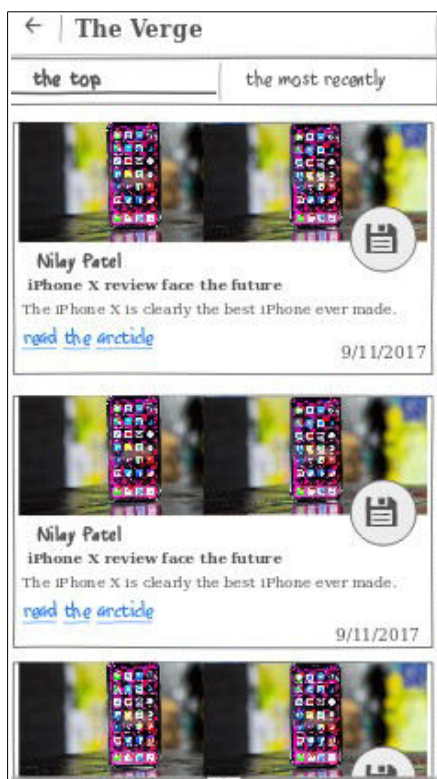
Saved articles screen

This is a screen to display the saved articles by the user



The top articles screen

This is a screen to display the top articles of the chosen website webpage



The most recently articles screen

This is a screen to display the most recently published articles of the chosen website



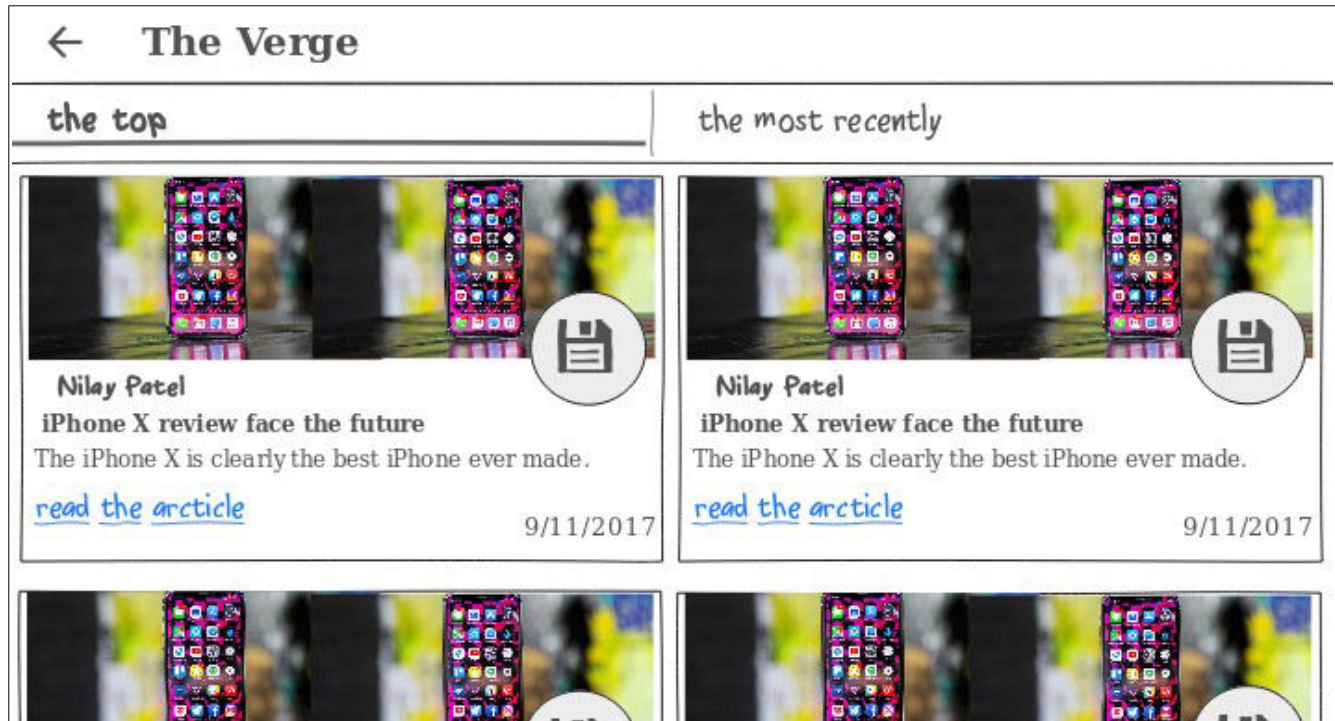
Widget layout:

the widget will display the titles for the saved articles



Tablet layout:

for the tablet the main screen will be the same but the three remaining screens (saved ,top and recent articles) will be as the below screen



Key Considerations

How will your app handle data persistence?

Tecknow app will use a content provider with SQLite database at the back to store the saved articles data including the image URL,author ,title,description,published date and the article URL and each time the user navigate to the saved articles tap a loader will load the data to the views.

The data for the top and most recent articles will be fetched using async task from newsapi.org API .

Describe any edge or corner cases in the UX.

When the user hit the back button in the articles screen it will return back to the Main screen showing the choice fragment not the saved articles .

The main screen contains two taps so the user can navigate easily between the websites choice screen and the saved articles screen.

The articles screen also contain two taps so the user can navigate easily between the top & the most recently articles for the chosen website.

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

- Picasso for loading the articles images

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

- AdMob : by displaying an Ad banner within the app
- Analytics : to see how the users are using the app and how many users are using it.

Next Steps: Required Tasks

Task 1: Project Setup

- Create new project
- Configure the required dependences in the build.gradle file and ensure that everything is compatible and there is no errors.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Main Activity
- Build UI for the Articles Activity
- Build UI for the article item
- Build UI for the following fragments:
 - choice fragment
 - saved articles fragment
 - top articles fragment
 - the most recently published fragment

Task 3: Handling the network connection

create a FetchArticle class and async task to fetch the data from newsapi.org API and add permissions in the manifest file to connect to the Internet

Task 4: Build data persistence support

- build a contract class
- build a Dbhelper class to create the table in the database

- build a content provider to access the database
- create a loader to update the saved articles views

Task 5: Build the app widget

the app widget will display the titles for the saved articles

- build the widget layout
- build the widget provider class
- build a service to update the app widget

Task 6:implement Google play services:

- implement Ads support
- implement Analytics support for crash and analytics

Task 7:configure app building

configure app signing including the keystore and the passwords in the repository