GitHub Username: brainbreaker

Newsmeme

Description

Newsmeme is the best way to stay updated with what's happening in the world and where via crisp news videos about your favourite topics.
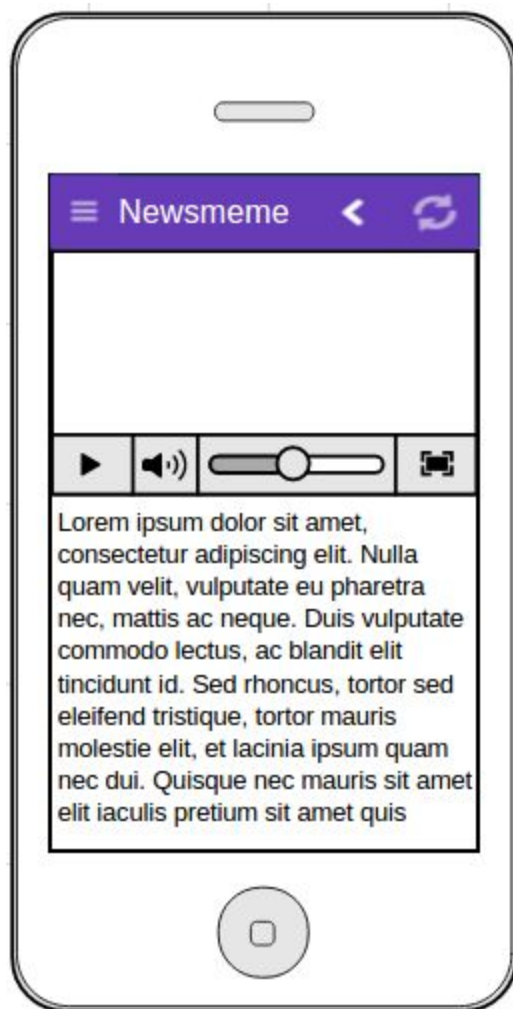
Intended User

People will use Newsmeme everyday in Buses, Trains, Metro, Subways, Uber, Office and home to know more about what's happening in the world, targeting the millennials.

Features

- News videos along with a detailed description
- Couch view screen to sit back and watch news continuously
- One click sharing of videos
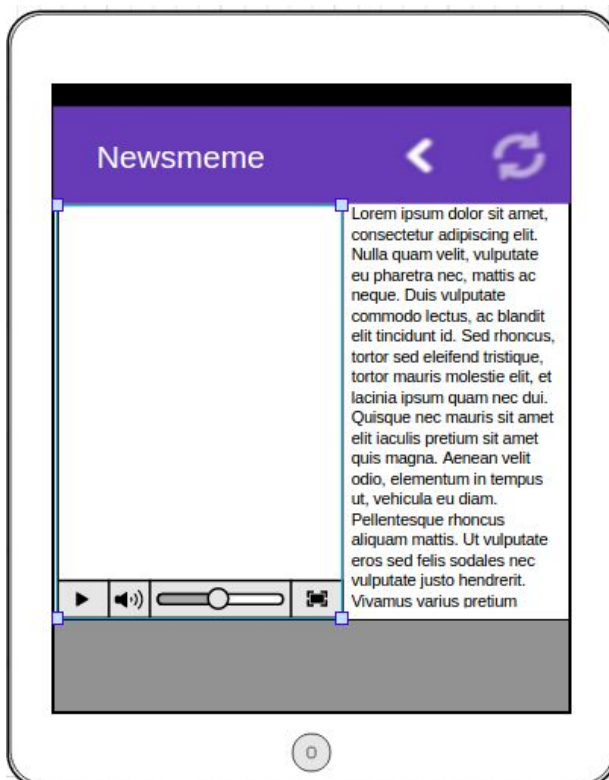- Videos with both English/Hindi narration/text

User Interface Mocks

Screen 1

Home Screen showing news video and content description

Screen 2

Couch View Screen, full screen video playlist

Tablet UI

Newsmeme

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Tablet Home Screen

Key Considerations

How will app handle data persistence?

- App will be using Parse as its backend(to be migrated on Firebase in sometime)
- In case of absence of connectivity it populates the data from local datastore/cache
- When data connection is available it syncs automatically from server whenever the app is opened
- App will use a content provider to store and populate textual data when app is offline

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

- Toxic bakery view-pager transforms for animated transition between fragments
- Material flowing drawer for a good navigation bar experience
- Firebase core dependency for Analytics services
- Firebase cloud messaging
- Crashlytics for crash detection and reporting

Describe how you will implement Google Play Services.

Firebase Analytics and push notifications services will be used for easier integration of Google services

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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
- Setup parse database containing curated list of news videos and their descriptions
- Integrate parse on Android side and make sure data is fetched successfully
- Use an Intent-Service to fetch data on Splash Screen
- Configure the required third party dependencies
- Design the workflow of the application

Task 2: Implement UI for Each Activity and Fragment
- Build UI for Home Activity/Fragment
- Implement view-pager and transform animations
- Implement couch view activity, integrate youtube player
- Set up sharing buttons in the main activity

Task 3: Integrate firebase services
- Firebase analytics
- Push notifications

Task 4: Widget
- Design and implement a widget which shows news
- Widget will show brief news title and clicking on it will open the home screen of app

Task 5: Content Provider
- Save the news title and content in SQLite database and use it to populate the UI when app is opened