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Group Project Term Paper

We continued from the app that we started last semester which was the News World App. Which is an app for people to read news. Our app is different from other competitors due to the fact that we eliminate all the possible fake news, and also we have a chat feature for our users to share the news inside our app for ease of use.

I. Brainstorm App Ideas

Last semester, we thought that there are a bunch of mobile apps around the globe which are useful for people. At first, we listed multiple app ideas that could be useful for the people, then we came to a conclusion for two apps which were the nearby charity events and news app. For the charity events app, we tried to find the API that we could use in order to implement the charity events app but couldn't find any that suit our needs. Then we came to a conclusion, we decided to choose the news app for our two semesters project. It is called the "News World" app.

II. Idea Implementation

For the news app, many articles and authors tried to manipulate people's thoughts by making and spreading all the fake news to them. Since this is the internet century, it is so easy for them to spread fake news via any social media platforms. The people who read and fall for the fake news will be the victims because of that. My partner and I thought about it and said "why not eliminate all the fake news so that people will have the ease of mind when reading news",

they do not have to worry about reading fake news anymore. Moreover, we will implement a chat feature for our users to chat inside the app.

III. Introduction to News World App

The News World app will show every news so that the users can have access to the most recent and the fastest news ever around the globe. On the top of the platform, we have different news type categories for the users to choose such as Sports, Business, Technology, Science, etc. We also have a chat function for users to chat with their news readers, you can share, chat, etc inside the chat function.

IV. Research on resources

We were looking for the suitable APIs that fit into our news app and also color patterns to make the design look catchy for the user's eyes. We found multiple APIs that could work for our news app, but we decided to choose the News API to implement into our app. It is free of use, we can fetch the news data from their API. We use the retrofit API to make a call request to the News API website and Picasso API to display the image via any image URL in our app. Before we implement the API, we use postman to test the API to make sure everything is functioning properly. For the chat feature, we use Firebase to store users information and store and fetch data into our app.

V. App Layout Design

We drew down all the possible layouts that we could use, then we made it in the website called Figma. Then we have a more clearer picture of what the app will look like. For example, each article contained a picture, title and subtitle. Our group would use that available data to draft the layout. We decided to put all this data into Relative-layout and inside the Relative-layout. We put all that data into scroll-view, which allows users to scroll up and down

the screen. Finally, we created another relative layout to hold the image-view and text views for our title and subtitle accordingly.

VI. Detailed, step-by-step, build instructions

The building process of our app is very simple and user-friendly. Simply click on the run button on android studio after downloading the files.

VII. Resources

We use Firebase as our server to store and fetch all users data and News API as our new sources.