**Features of the Mobile App.**

The Weather Channel app has become a vital app on my mobile device. Though most people think of the app as just a weather information app, this application can be so much more. This application is meant to be a mobile version of the website. It lets the user look at the current weather and future predicted weather. When emergency weather warnings occur within a certain distance of the user’s position, it will send a notification. Though not its true purpose, the application also provides world news.

The Weather Channel’s application has quite a few features. The first main feature is the home screen, which displays the temperature, weather, feels-like temperature, and the high and low for the day. The app can give a user information based on their location. As a feature, the user can also add different cities and gain information. Another feature it would have would be the option to create an account. Users who want more in-depth information can subscribe to a premium account. Knowing the weather is essential for everyone, although creating an account is unnecessary unless the premium account is warranted.

Though the Weather Channel app’s user interface is simple, it has much going on. I have already talked about the home page a bit, but at the bottom of the application, five main widget buttons are dedicated to icons and labels. The First one is the hourly button, which, if clicked, will show possible weather patterns in the current area by the hour. The application goes in fifteen-minute increments for the current hour as a bonus. For example, if it is two pm, it would show for two pm, two-fifteen pm, two-thirty pm, and move on to three pm. Next to the hourly button, there is a daily button. Once this button is clicked, the top bar will show the forecast for the next five days. If the user slides the bar, they can see the predicted weather for the next 11 days. Under the bar, it gives more information about the current day. The third button on the button of the user interface is a picture of the weather channel’s logo. This button will bring you back to the application's homepage when on any other page. Following the third button is the radar button. This allows people to view precipitation within an area. This screen also has a slide bar that rests above the widgets, enabling the user to see future imaging of the precipitation clouds for up to about five hours. The video button is the last main button on the application's user interface. This page is a collection of video news stories. If a user wants to know what is happening around the world, this is a usable resource.

Data is everywhere, and some data can be ever-changing with this application. Weather Channel or Weather.com uses a cloud-based storage system to hold all the weather data. They also must house user data if a user has a premium account. These two items of data are needed for the application, which is then used to display weather forecasts and private user information.

**Possible Data Sources** **of the Mobile App.**

The application will take in a user's location data to search through a database and display the weather information of the area. If the user decides to change the location they are seeking information on, the application will search through the database to validate the new location and then go through and display the correct new weather data. When an account is created, the application will store the user's private information in a more secure location. It will store information that includes name, email, and credit card numbers for the subscription. The Weather Channel company that owns the Weather.com and the Weather Channel app is a subsidiary of IBM and, therefore, utilizes a cloud database they created to store all data that may be needed to access or deliver to other sources.

**How Data Meets User’s Goals.**

Just about everyone is or can be a data user of this application. A data user is simply someone reading or editing the application's data. I personally use the application for its primary purpose: to view the weather. The weather forecast is some of the data the application stores for the user. As a user, I can use this data to help me plan for my day or week. When a user is a premium member, they must input their unique login credentials, which are then compared in the database. This shows that a person's credentials are data within the application, and the user must use it to access their personal account on the app.

**References**

The Weather Channel. (2021, July 29). *IBM’s The Weather Company is world’s most accurate forecaster, new study says*. https://weather.com/news/news/2021-07-28-ibm-weather-company-forecast-accuracy