CSE4002: MOBILE APPLICATION DEVELOPMENT

MY WEATHER APP



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AGENDA



- Motivation
- Features of the app
- Tools & Technologies
- Methodologies
- Modules
- Timeline & Planning
- Future Scope

MOTIVATION

- No one can imagine how the weather is going to be on a subsequent day.
- Definitely, the Weather forecast is a big thing that enabled many of us to stay notified about the changes in climatic conditions beforehand. It can be said that it is one of the greatest advancements of all time, mothered by innovative technologies and creative thoughts.
- Having an up to date information about the weather helps us to take well-read decisions. These weather apps constantly update the forecasts for a day or hour or sometimes for even a minute.
- These can be simply termed as the compact weather devices, as they do not only tell about the temperature of that specific region; instead they can describe the accurate time of the sunrise and sunset, the time of the rainfall, humidity levels, etc.



FEATURES OF THE APP



Weather Description

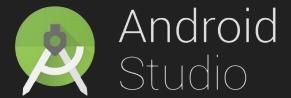


Temperature of Specific location



Weather Forecast

TOOLS & TECHNOLOGIES







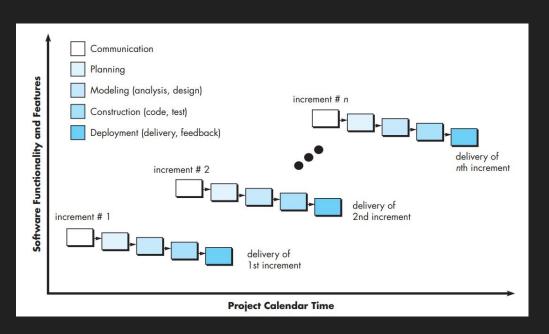








METHODOLOGY



The Incremental Model of Software Engineering

- Requirements divided into multiple standalone modules.
- Every subsequent release of the module adds function to the previous release.
- Requirement Analysis,
 Design & Development,
 Testing, Implementation.

MODULES

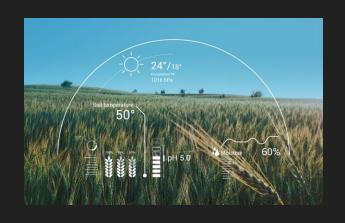
- □ UI/UX Design Layout.
- ☐ User Input Control (Text Field) and User Location Search.
- Drawables, Themes and Styles, Material & Background design.
- ☐ API Development (Weather API & Postman API).
- Deployment into Google Play Store.

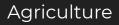


Android Weather App Development - Monthly Timeline Chart

Literature Survey UI/UX Design Java Development App Deployment October 2021 November 2021 December 2021 After making a layout in XML Taking a note of all the In this stage, we are preparing Layout, writing code in Java Finally, the app is now ready requirements for the app. the future mobile app's to deploy it to including the functionalities Google Play store. prototype with as much detail required and listed earlier. Collecting the features and as possible including each finalizing the opinions and Before pushing it to play store, button, pop-up, text fields. Later on, Adding some views of the team members. Running the app by setting up additional features for app like App Prototype design is built AVD Manager and testing Temperature estimation, Making a list of tools and in Figma / Dribble and App various time to cross check Weather Forecast information. technologies that will be used Design is done in app functionalities and in the project development Android XML Layout Finally, Testing and debugging features. with android debugging tools.

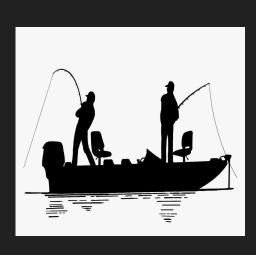
FUTURE SCOPE







Plan a Journey



Fishing & Boating

& many more ...

LET'S END TO BEGIN

The goal of weather prediction is to provide information people and organizations can use to reduce weather-related losses and enhance societal benefits, including protection of life and property, public health and safety, and support of economic prosperity and quality of life.



