

Customer Journey Map – Rainfall Prediction Web App

Stage	User Actions	User Thoughts	Pain Points	System Response / Solution
1. Awareness	User learns about the rainfall prediction app (through project demo, website, or referral).	"Can this help me know if it will rain today?"	Uncertainty about reliability.	Clear project description and simple interface build trust.
2. Visit Website	User opens the web application in a browser.	"This looks simple and easy to use."	Fear of complex technical tools.	Clean and user-friendly UI with labeled input fields.
3. Enter Weather Data	User enters MinTemp, MaxTemp, Humidity, Pressure, Wind Speed.	"I hope I entered the correct values."	Input errors or confusion about units.	Input validation and number-type fields prevent incorrect entries.
4. Click Predict	User clicks the Predict button.	"Will it rain or not?"	Waiting time for result.	Fast backend processing using Flask and pre-trained ML model.
5. View Result	User sees result page (Rain / No Rain).	"Now I can plan my activities."	Doubt about accuracy.	Clear result page (chance.html / nochance.html) with proper message display.
6. Decision Making	User decides on irrigation, travel, farming activities, etc.	"This helps me plan better."	Need for more detailed forecast.	Future enhancement: Weekly forecast and location-based prediction.