

Project Design Phase-II

Customer Journey

Date	08 October 2022
Team ID	PNT2022TMID08566
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning
Maximum Marks	2 Marks

User journey

by the design team of Accessure Interactive

People
2-5

Time
30 min

Difficulty
Beginner

Creating a user journey is a quick way to help you and your team gain a deeper understanding of who your redesigning for aka the stakeholders in your project. The information you add here should be representative of the observation and research you've done about your users.

Phases	Requirements needs	Sample collection	Data analysis	Information Utilization
High level steps your user needs to accomplish. From start to finish.				
Steps Detailed actions your user has to perform.	<div>Selection of Parameter</div> <div>Selection of methods</div> <div>Precision and Accuracy</div>	Clean the sample containers and choose the filter pore size. Minimize microbial activity. Select sample prevention method.	Measurement of six parameters and analyse the data collected. The unnecessary data will be rejected. Being analyse the data and interpret result.	Finally the data collected is test and predict the good condition of the water. It will be detected by using the advanced artificial intelligence algorithms.
Feelings Where your user might be thinking and feeling at the moment.	<div>Less unused features</div> <div>Less development rework</div> <div>Some defects may occur</div>			
Pain points Problems your user runs into.	<div>Undocumented process</div> <div>Conflict Requirement</div> <div>Need of more resources</div>	Lack of technology and human resources occur sometimes. Storage and transportation issue happens. Technical hurdles is one of the pain point.	Collecting of water quality data can be expensive. Maintaining and repairing equipment costs can be rack up quickly overtime. Sometime incorrect may be an problem.	It still has a high require component. Good quality needed for all. To measure the required parameter of water.
Opportunities Potential improvement or enhancements to the experience.	<div>Lower cost of development</div> <div>Higher level of needs.</div> <div>More beneficial Measures.</div>	Sampling reduces time and cost of research studies. The quality of water is always better with sample collection. It provides much quicker result.	Appropriate data submission gives an excellent output. Then it is easy to verify the parameters and predict the water quality.	The utilization of data in decision making allows us to make decisions based on evidence, and also speed up things by making it easier to share the perception. It also has the advantage of making it easier to verify the result in future.