HYDRO HELPERS

RAIN WATER HARVESTING

GROUP NO-01

OUR TEAM

GROUP NO-01

1 MANASVI TRIPATHI

2 OMKAR SHELAR

3 DHANANJAY SHINDE

4 SUMIT MHALASKAR

5 OM LOHOKANE

ACTIVITIES PERFORMED

- THEORY OF PRIORITIZATION
- SCAMPER
- MIT APP INVENTOR(PROTOTYPE)
- JOURNEY MAP

THEORY OF PRIORITIZATION

The Theory of Prioritization is a framework for deciding which tasks or goals should take precedence based on their importance

THEORY OF PRIORITIZATION

Objective

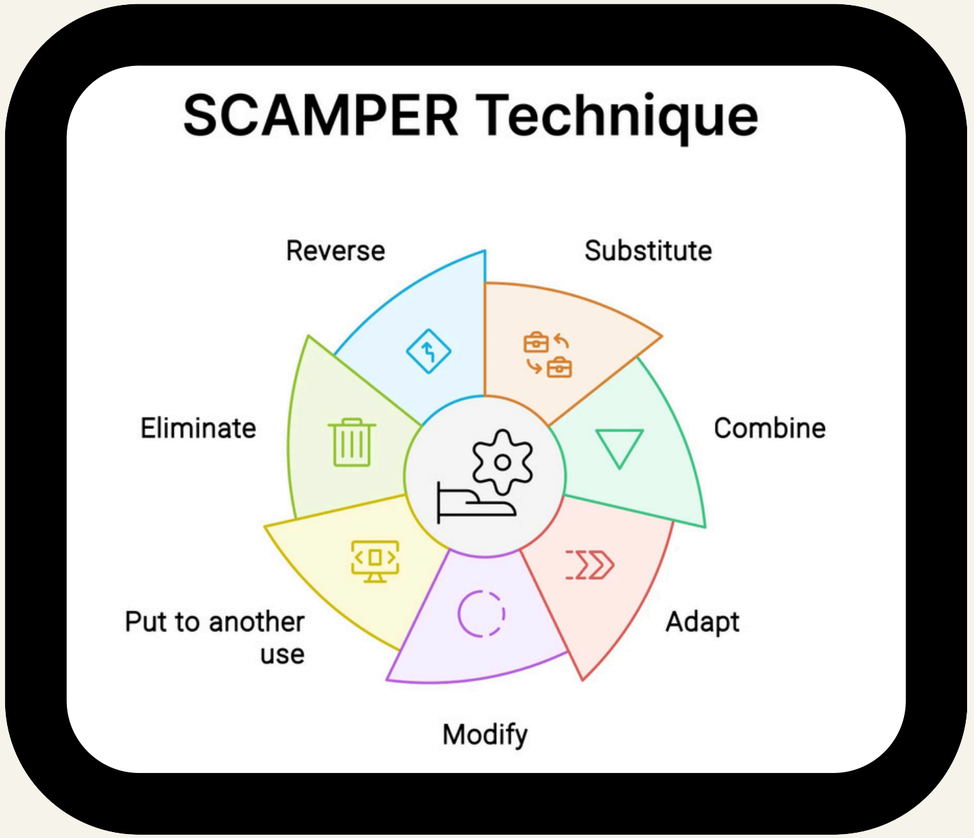
TO FINDOUT THE PROBLEM ON WHICH WE SHOULD FOCUSE & TRY TO FIND ITS SOLUTION

WHY USER SHOULD USE THIS RWH SYSTEM					
100	10	100	10	100	**320**
WHY THERE IS NO FILTRATION IN CURRENT SYSTEM					
1000	1000	1000	100	10	**3110**
WHAT ARE THE DRAWBACKS					
100	100	10	100	10	**320**
WHAT WILL HAPPEN IF THERE IS NO RAIN					
1000	100	10	1000	100	**1310**
WHERE DOES WATER GET CONTAMINATED					
1000	1000	1000	1000	100	**4100**
WHEN DOES TANK SHOULD BE CLEANED					
1000	100	1000	1000	1000	**4100**
WHERE DOES CURRENT SYSTEM FAILS					
1000	1000	100	100	10	**2210**
WHO IS RESPONSIBLE FOR REGULAR MAINTANANCE					
1000	1000	1000	1000	1000	**5000**
HOW TO TRACK QUALITY & QUANTITY OF WATER					
100	1000	1000	100	100	**2300**
HOW TO RESOLVE ANY QUERY ABOUT SYSTEM					
1000	1000	1000	1000	1000	**5000**
HOW TO INSTALL A PROPER SYSTEM					
100	1000	1000	100	1000	**3200**

SCAMPER

Qualitative Method

SCAMPER is a creativity tool that sparks ideas by exploring seven actions: Substitute, Combine, Adapt, Modify, Put to another use, Eliminate, and Reverse. It helps improve or innovate existing concepts.



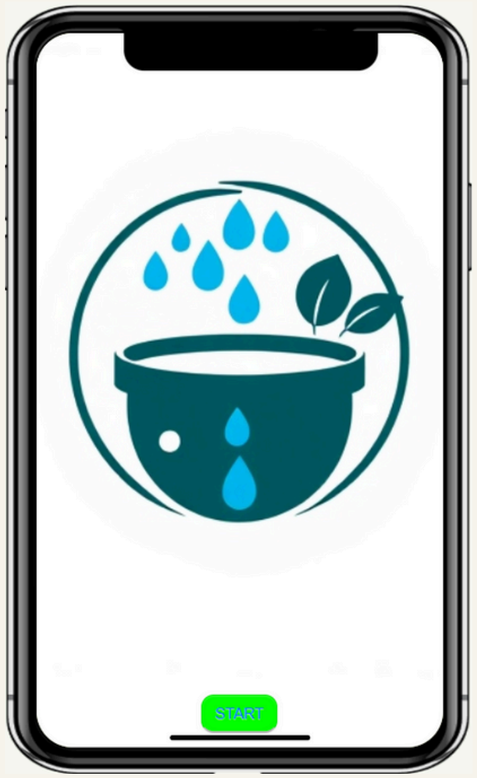
SCAMPER

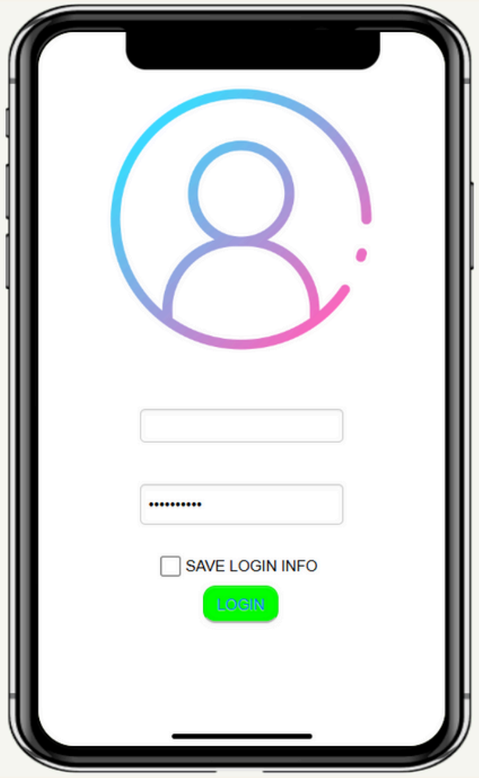
Objective

Generate new product ideas or improvements by applying SCAMPER techniques to an existing product or service.

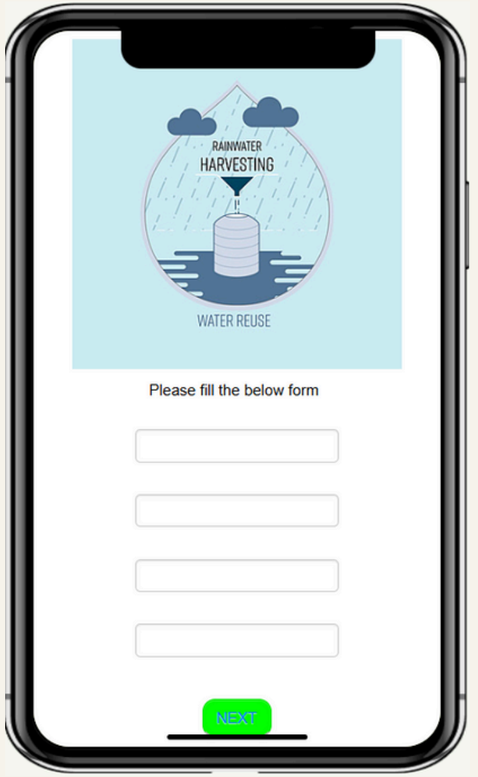
Substitute: Instead of traditional gultur what if we used decorate rain chains that also serve as art piess in garden
Combine: solar-powerer system filtration system for drinking or irrigation.
Adopt: The design of rooftop gardens or green roots to integrate rain water collection directly.
Modify: the system to include sensors and smart technology that monitor water levels and usage like the design
Put-to-another use: The stored rainwater to another use by connecting it to a cooling system for buildings
Eliminate:The news for large under ground tanks by using modicular above ground easily expanded or relocated as needed.
Reverse: Instead of harvesting rainwater tank about how excess water can be used creative like generating power with small hydrocarbons during heavy rainfall.

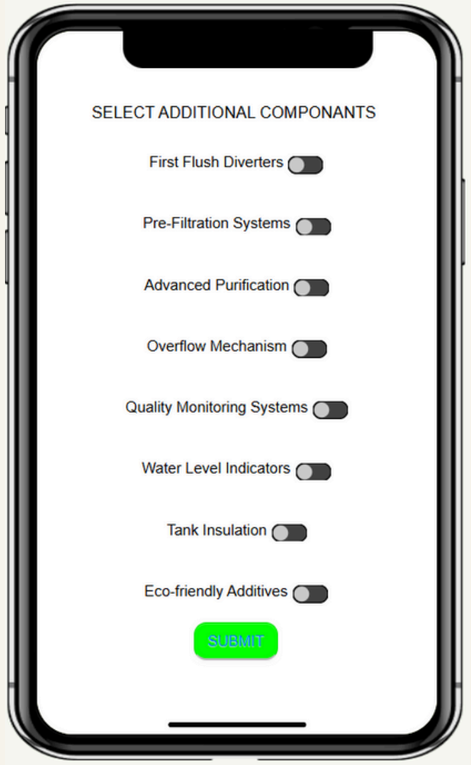
MIT APP INVENTOR (PROTOTYPE)


START


SAVE LOGIN INFO
LOGIN


SERVICES
New System
MAINTENANCE
MAINTENANCE
FEEDBACK


RAINWATER
HARVESTING
WATER REUSE
Please fill the below form
NEXT


SELECT ADDITIONAL COMPONANTS
First Flush Diverters
Pre-Filtration Systems
Advanced Purification
Overflow Mechanism
Quality Monitoring Systems
Water Level Indicators
Tank Insulation
Eco-friendly Additives
SUBMIT


SERVICES
New System
MAINTENANCE
FEEDBACK


PLEASE FILL THE BELOW FORM
access to complete system
submit

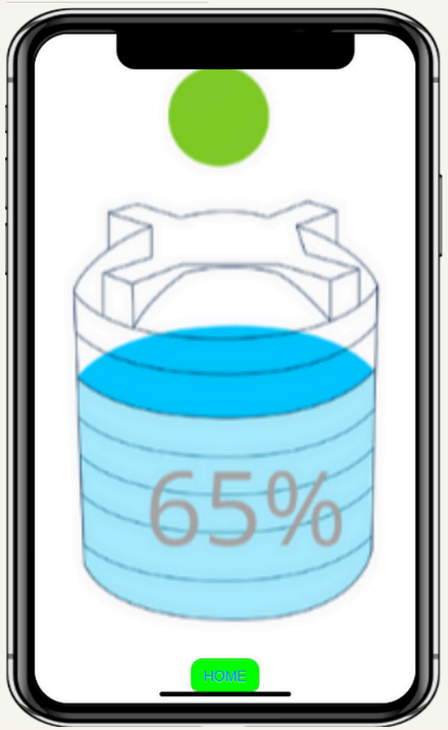

SERVICES
New System
MAINTENANCE
FEEDBACK

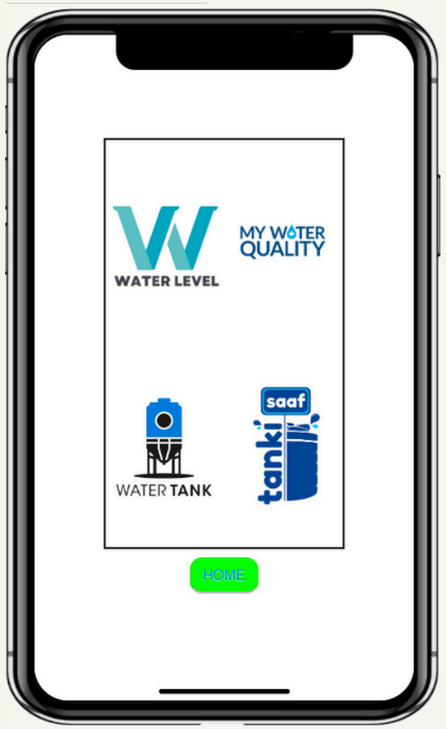

feedback
Feedback
PLEASE FILL THE FEEDBACK FORM
SUBMIT

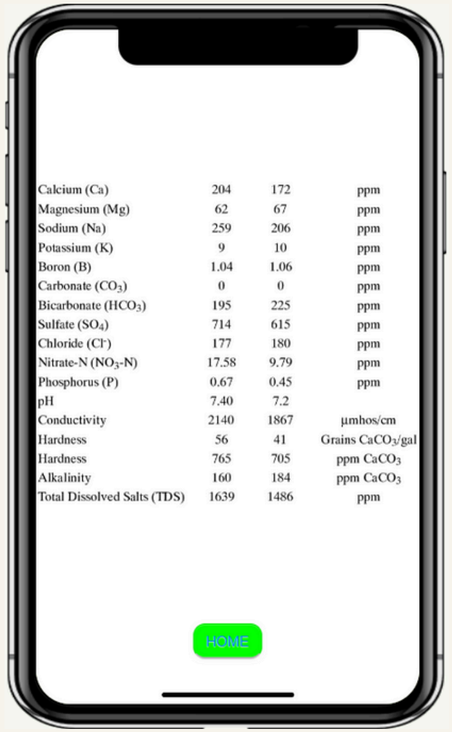

SERVICES
New System
MAINTENANCE
FEEDBACK

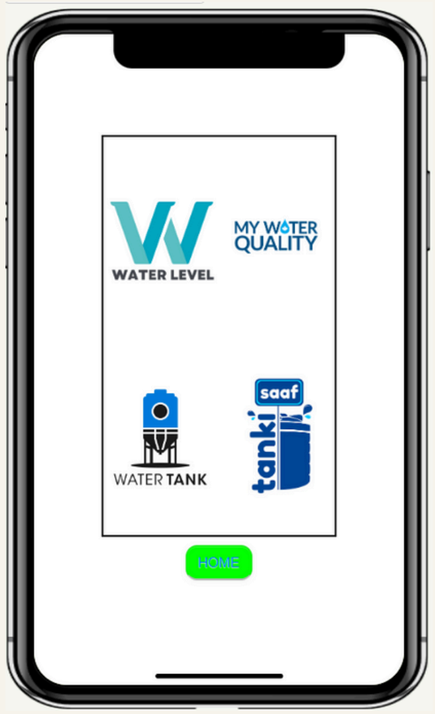

SYSTEM ID
LOGIN


WATER LEVEL
MY WATER QUALITY
WATER TANK
saaf tanki
HOME


65%
HOME


WATER LEVEL
MY WATER QUALITY
WATER TANK
saaf
tanki
HOME


Calcium (Ca) 204 172 ppm
Magnesium (Mg) 62 67 ppm
Sodium (Na) 259 206 ppm
Potassium (K) 9 10 ppm
Boron (B) 1.04 1.06 ppm
Carbonate (CO_3) 0 0 ppm
Bicarbonate (HCO_3) 195 225 ppm
Sulfate (SO_4) 714 615 ppm
Chloride (Cl^-) 177 180 ppm
Nitrate-N (NO_3-N) 17.58 9.79 ppm
Phosphorus (P) 0.67 0.45 ppm
pH 7.40 7.2
Conductivity 2140 1867 µmhos/cm
Hardness 56 41 Grains $CaCO_3$/gal
Hardness 765 705 ppm $CaCO_3$
Alkalinity 160 184 ppm $CaCO_3$
Total Dissolved Salts (TDS) 1639 1486 ppm
HOME


WATER LEVEL
MY WATER QUALITY
WATER TANK
saaf
tanki
HOME


ONLY
05
DAYS LEFT
HOME

JOURNEY MAP

Objective

to visualize and understand the user's experience & emotions

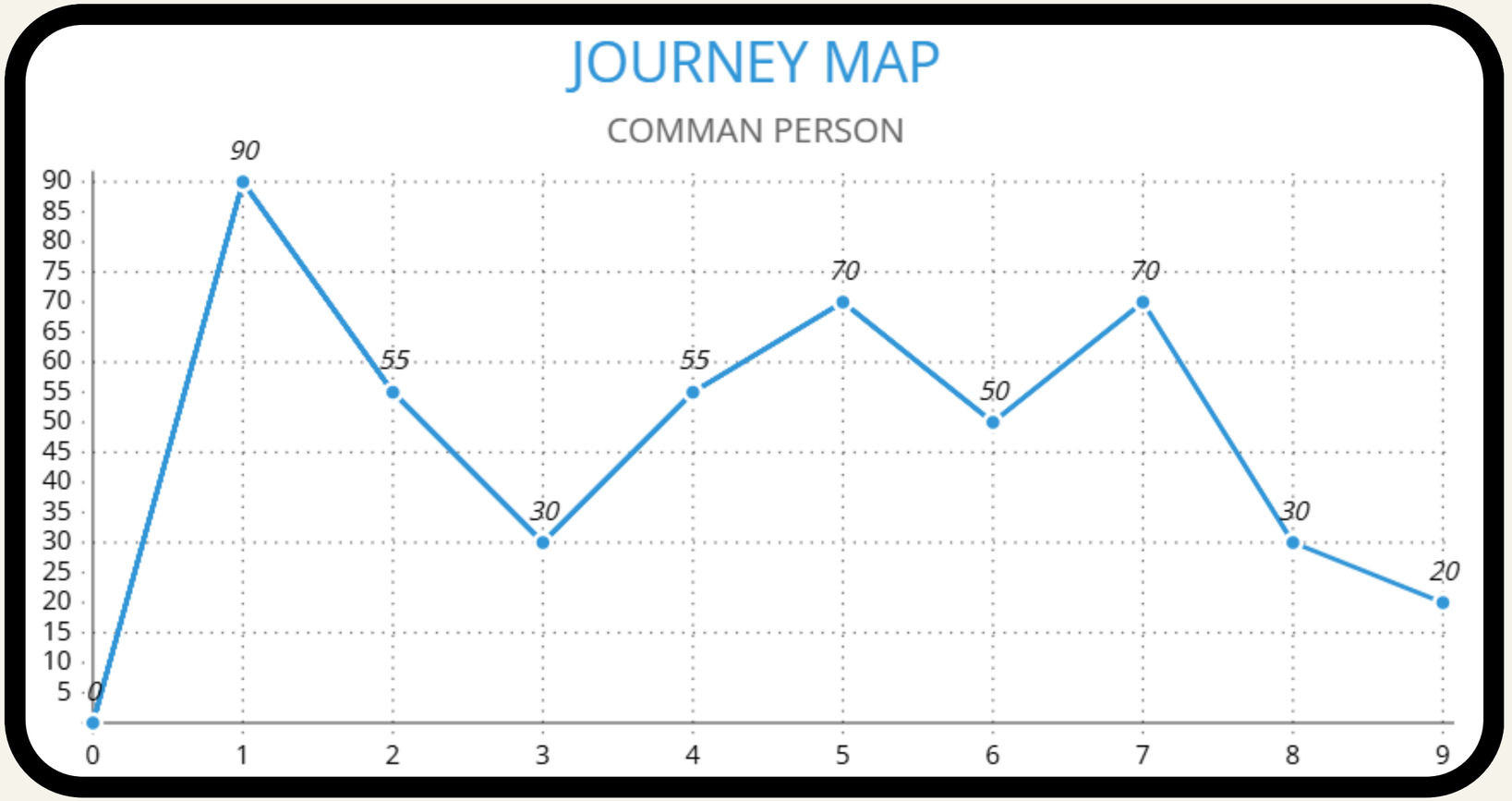
JOURNEY MAP FOR COMMAN PERSON

Objective

to visualize and understand the user's experience & emotions

EVENT 1	Uncertain or unable to decide about what course to follow (confusion)
EVENT 2	Researching the benefits and methods, impact & consulting with experts (curiosity, excitement)
EVENT 3	Evaluating the location, available space, roof type For system. (frustration)
EVENT 4	choosing the right system size and component (Filters, storage tanks etc.) (uncertainty, decision, exhaust)
EVENT 5	consulting with professionals for customized cdesign (curiosity excitement)
EVENT 6	Selecting a contractor for installation, materials & equipment (excitement)
EVENT 7	setting up the system ensuring proper placement & function (anxiety about System functionality
EVENT 8	collecting & storing rain water, Regular check for quality and functionality (satisfaction, happly)
EVENT 9	Managing overflow and filtering (concern) if problem arises
EVENT 10	Cleaning, replacing or upgrading parts(Frustation)

JOURNEY MAP FOR COMMAN PERSON



THANK YOU