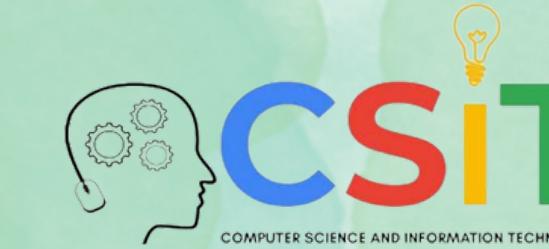


Department of Computer Science and Information Technology



Minor project 2023

Submitted to and
Guided by:
Prof. Nidhi Nigam



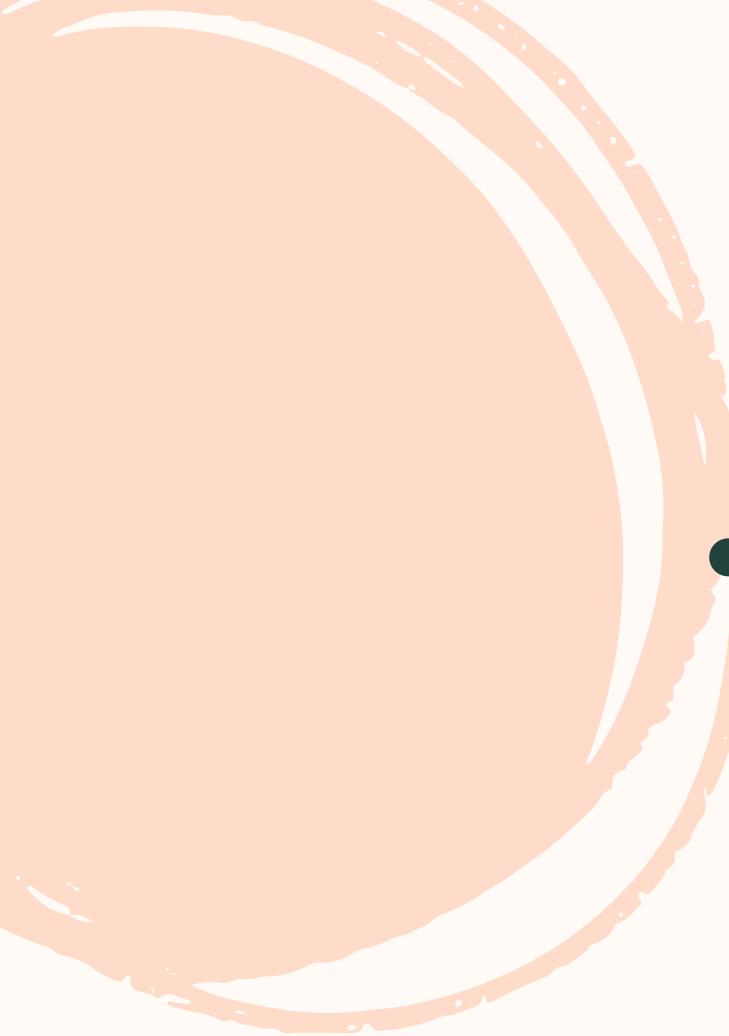
Submitted by:

- Parva Jain
- Janhvi Kausal
- Harshita Kukreja

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Problem Statement

- Provider: Addressing the challenge of ensuring the consistent delivery of potable and uncontaminated water to every residential and commercial location.
 - Consumer: Ensuring prompt, high-purity, reliable, and customized water supply, meeting individualized specifications and satisfaction levels.
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- 

Solution

Create a comprehensive application for local water suppliers, facilitating record management, water distribution to various entities, and user-specific orders. For users to have hassle free ordering



existing software



- **Go paani** :It has great interface but it asks for subscription to create an account which is not bearable to all local vendors
- **Pure Pani** :it is similar to go pani but it does not allow tracking and scheduling facility
- **Jalam** : it sale packaged drinking water of brands(bisleri,kinley,patanjali etc.)

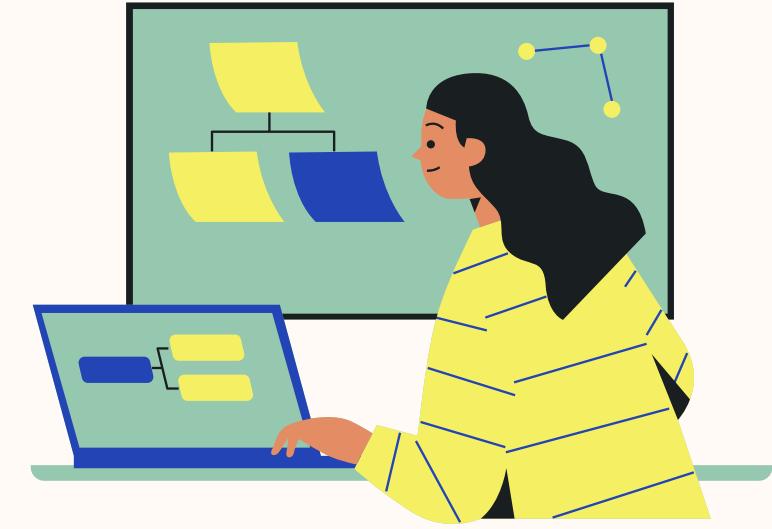


Note: Many other only sell packaged drinking water but we are targeting local vendors not brands

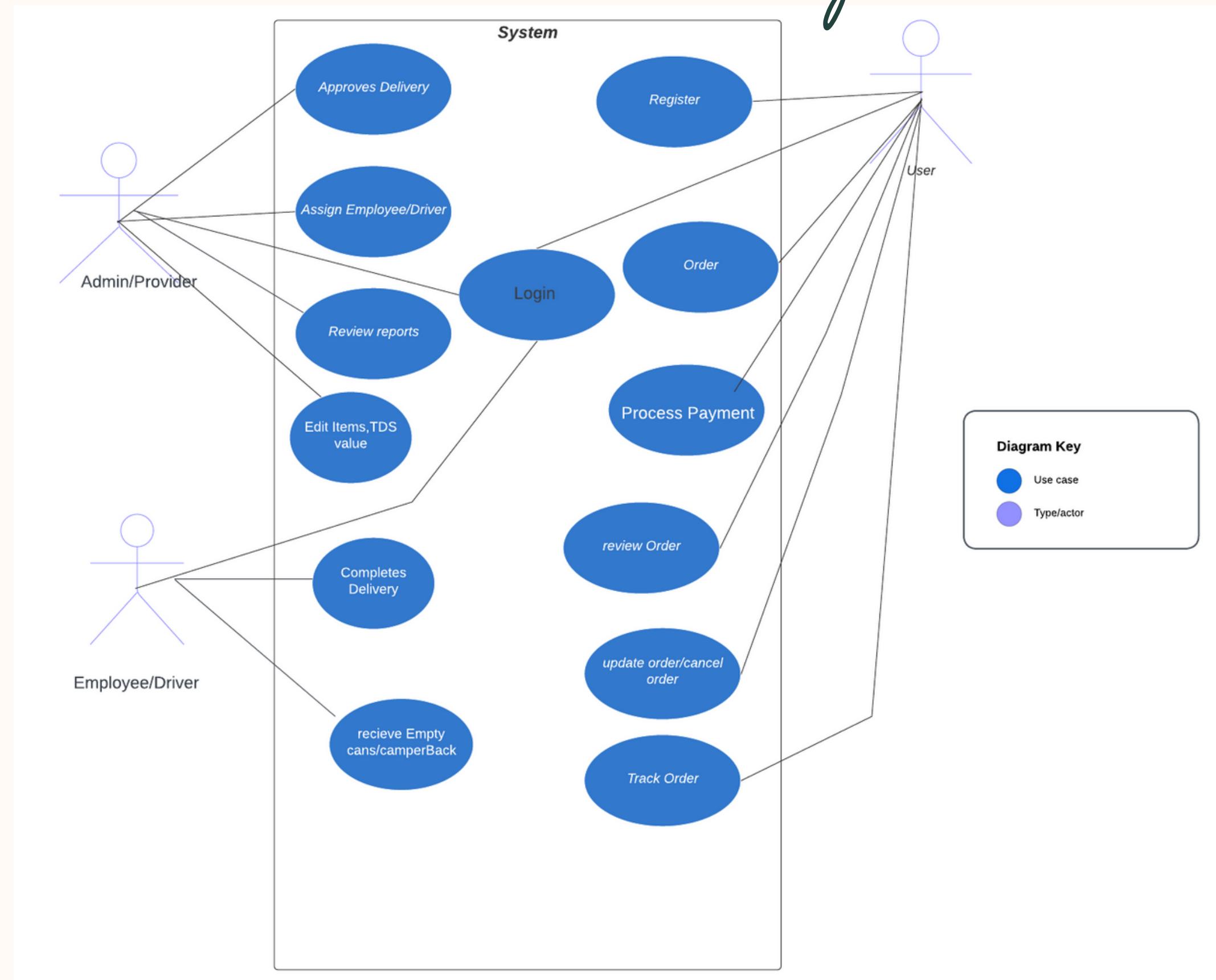
PurePaani The PurePaani logo is located at the bottom right. It consists of the brand name "PurePaani" in a large, teal, sans-serif font. To the right of the text is a stylized teal water drop icon with a white outline, accompanied by a small circular wave pattern.

Our Features

- SCHEDULING FACILITY
- ON TIME DELIVERY
- REAL TIME UPDATES
- PURITY ASSURANCE
- FULFILLING THE SPECIFIC REQUIREMENTS OF USER
- USER CAN EASIELY CONNECT TO PROVIDER (FEEDBACK)
- RECORD MANAGEMENT
- NO COST FOR USING.
- FAST BILLING



Use Case Diagram



Designing Includes

1. Splash Screen:

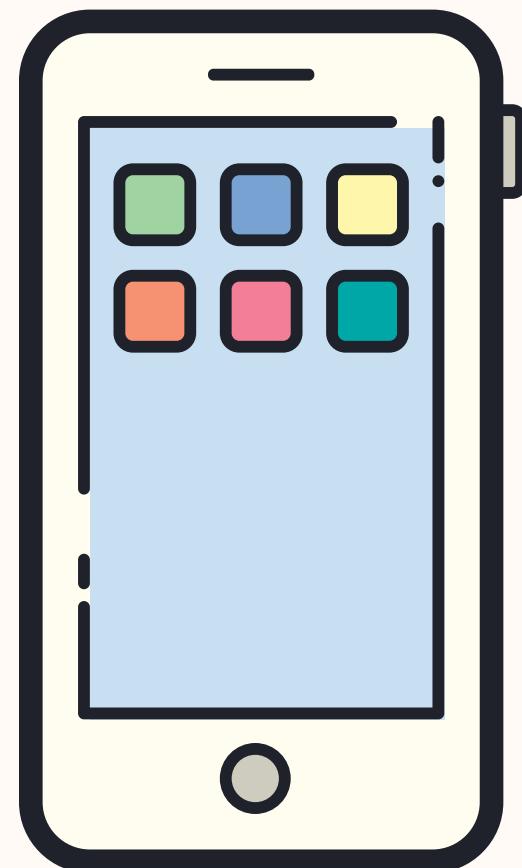
Display your app's logo and name while the app loads.

2. Onboarding:

Introduce new users to the app's features and benefits. Include a brief tutorial on how to use the app.

3. Sign Up / Log In:

Allow users to create accounts or log in using email, phone number, or social media credentials.



Designing Includes

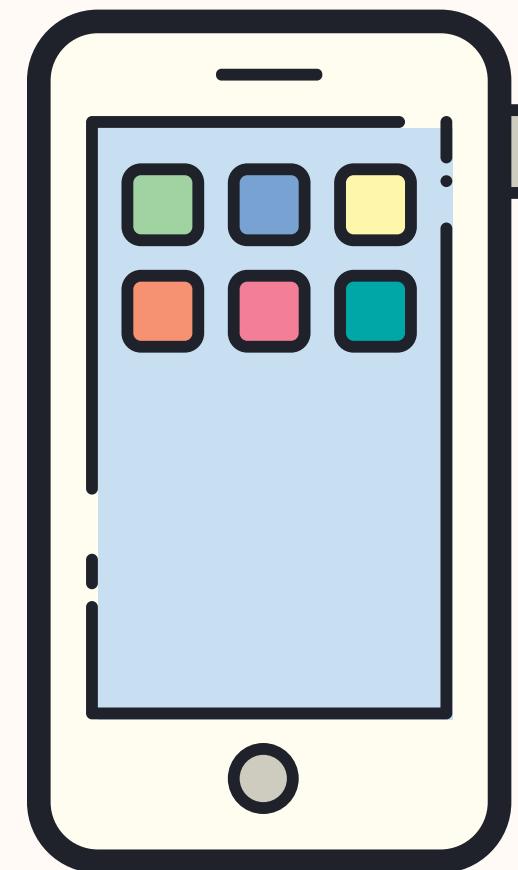
4. Home Screen:

Provide a clear overview of the app's main features:

- Search and Filters: Enable users to search for water products by type (bottled, mineral, purified, etc.) and size (1L, 5L, etc.).
- Featured Products: Display special offers or popular products.
- Categories: Categorize water products based on brands or types.

5. Product Listings:

Display water products with details such as name, image, price, and quantity. Include an "Add to Cart" button for each product.



Designing Includes

6. Cart:

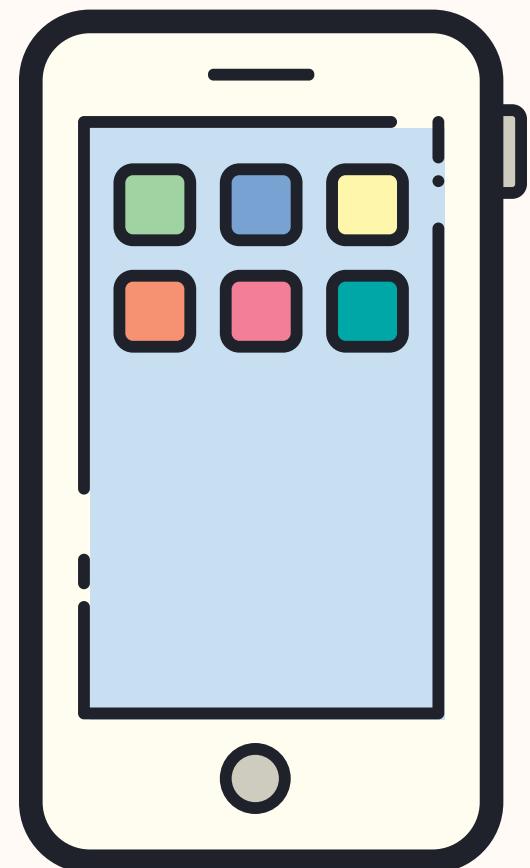
Show a summary of items in the user's cart. Allow users to update quantities or remove items. Display the total cost and a "Proceed to Checkout" button.

7. Checkout:

Gather delivery details, including the delivery address, preferred delivery time, and payment information. Provide different payment options, such as credit/debit cards, digital wallets, or cash on delivery.

8. Order Tracking:

Allow users to track the status of their orders in real-time. Provide updates from order placement to delivery.



Designing Includes

9. User Profile:

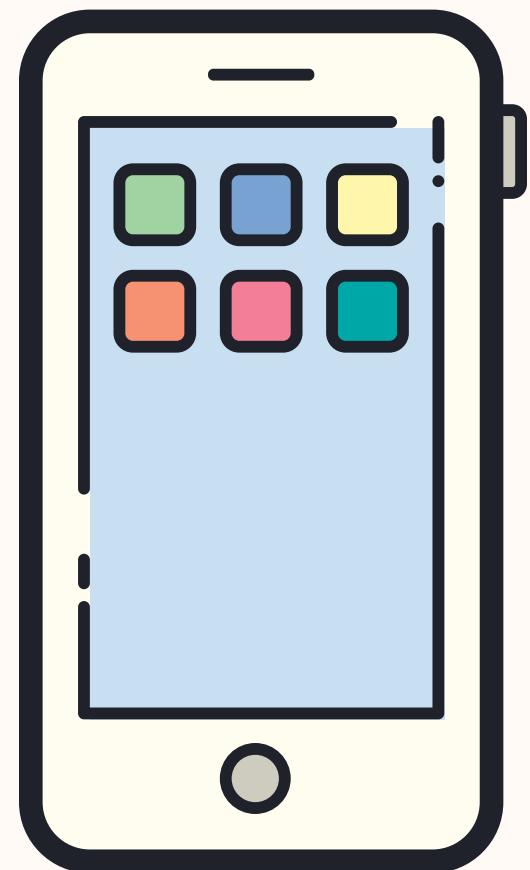
Enable users to manage their account information, including addresses, contact details, and payment methods.

10. Settings:

Provide options to customize app preferences, notifications, and language settings.

11. Contact and Support:

Include a section for users to contact customer support, ask questions, or provide feedback.



Technology Used

:Front End

Flutter is an open source framework developed and supported by Google. Frontend and full-stack developers use Flutter to build an application's user interface (UI) for multiple platforms with a single codebase.



Technology Used

: BackEnd

Firebase is a set of backend cloud computing services and application development platforms provided by Google. It hosts databases, services, authentication, and integration for a variety of applications, including Android, iOS, JavaScript, Node.js, Java, Unity, PHP, and C++.



Conclusion

- In conclusion, the proposed application represents a powerful solution that addresses the multifaceted needs of local water suppliers and consumers alike.
- By streamlining record management, enhancing water distribution efficiency, and providing user-friendly features such as order customization, tracking, and seamless billing and payment processing, this application has the potential to greatly improve the overall water supply ecosystem.
- Its intuitive interface ensures a smooth user experience, making it a valuable tool for enhancing the accessibility and reliability of water services for a diverse range of stakeholders, from institutions and government facilities to households and event organizers.

Abstract

Water is an essential element of life and only 3% of fresh water is available on Earth out of which only 1% is drinkable, the other is in the form of glaciers, icebergs etc.

Most people depend on Tap water, wells and rivers for daily usage, but today around 70% of sewage in India is discharged into rivers, which contaminate groundwater, Sometime water pipeline to our home gets broken and sewage water gets merged into it and untreated waste is directly dumped into water bodies which cause pollution, and by drinking that water around 1 out of 5 people suffer from disease.

Abstract

People use Alum to purify water but some microbes are still present. People also can't afford a water purifier at every home as it has a huge installation cost and maintenance. People use to call local water vendors to meet their water need, which also Sometime do not provide purity assurance, on time delivery, Scheduling and trackability, So with growing digital india,we are designing a application for local water vendor which allow their user to order digitally and provide safety checks to assure purity, overcome all mentioned problem and provide ease of life.



Jal Dhara

Sign of Purity

Real Life Study :

In urban India, tube wells and hand pumps were the source of drinking water for 15 percent of households. Bottled water was particularly common in urban areas with 9.8 percent of urban households relying on them for drinking water while 7.3 percent of households relied on public taps

Technology used

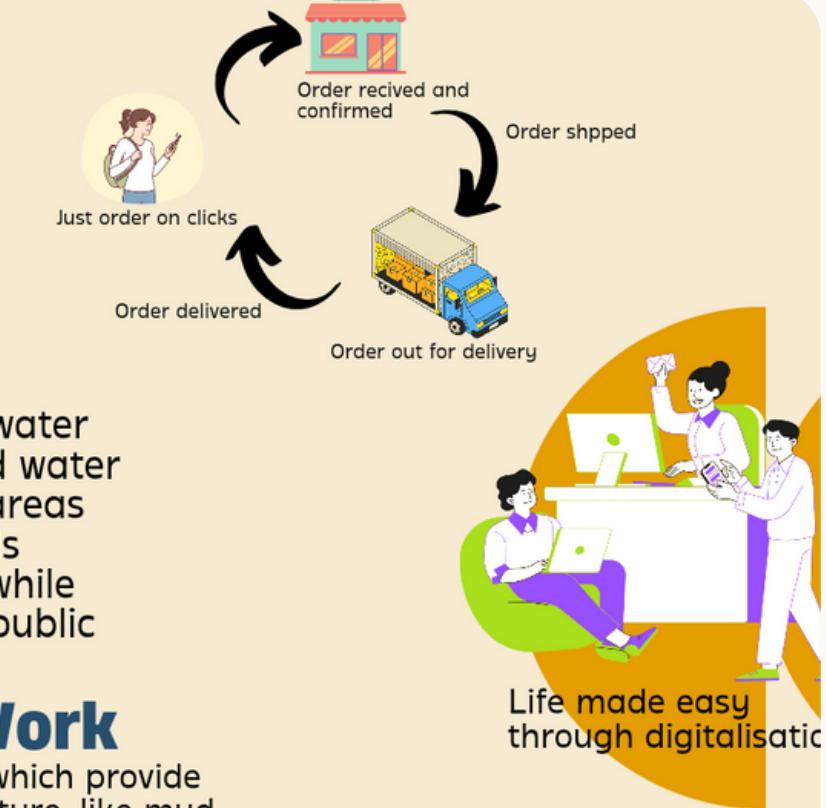
- Flutter(Frontend)
- Google Firebase(Authentication and Backend)

Future Work

Includes Product which provide sustainability in future. like mud bottles,strainers,eco friendly cups etc.

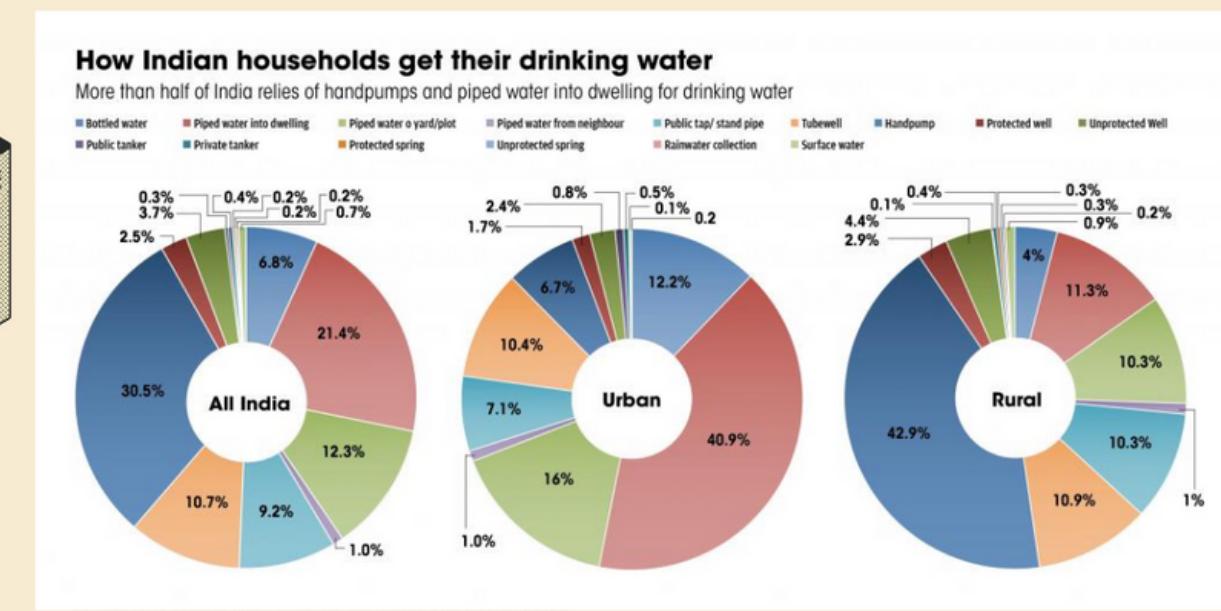
Existing System Study

Many other apps are also available but they do not provide admin and user login at same app, scheduling,not free to use and live tracking



Solution

Create a comprehensive application for local water suppliers, facilitating record management, water distribution to various entities, and user-specific orders. For users to have hassle free ordering.



Made by:

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Janhvi kausal
Harshita kukreja



Save Water

Conclusion

Successfully able to solve real life problem regarding pure and on time drinking water delivery in private and govt. offices , houses,events daily

our Features

- Scheduling facility
- on time delivery
- real time updates
- 100% purity assurance
- fulfilling the specific requirements of user
- user can easily connect to provider (feedback)
- record management
- no need of subscription.
- fast billing

Guided by:

Prof.Nidhi Nigam

Useful Links

Our Short Video Link:

<https://github.com/ParvaJain210926/jaldhararesource/blob/main/Modified%20video.mp4>

Resource link:

<https://github.com/ParvaJain210926/jaldhararesource>

Poster link:

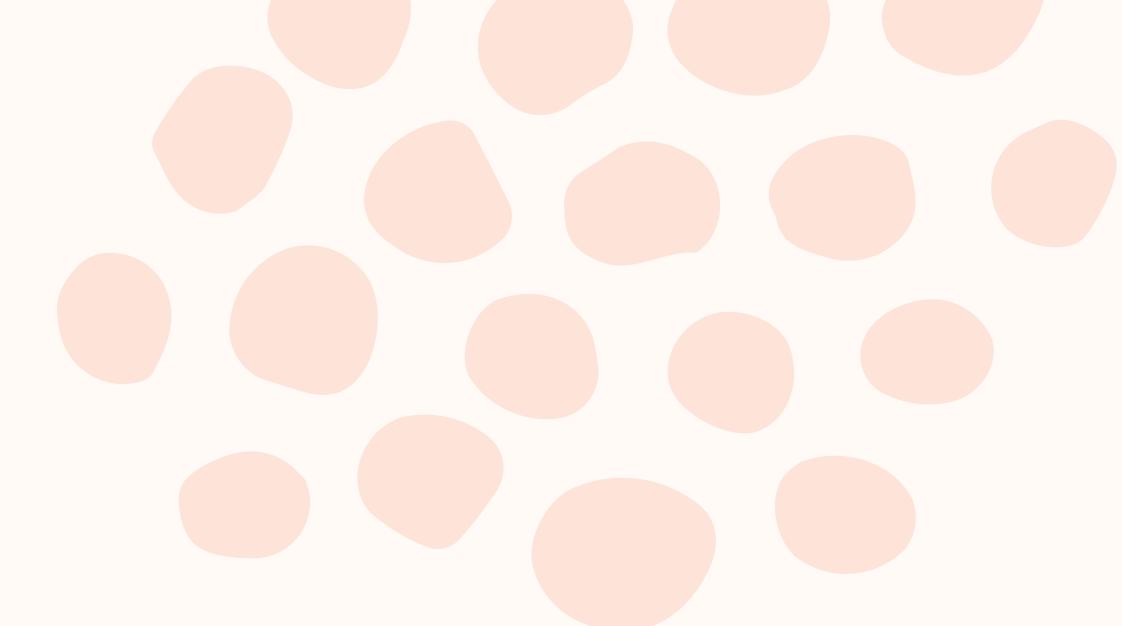
<https://github.com/ParvaJain210926/jaldhararesource/blob/main/jaldhara%20poster.png>



PARVA JAIN
DESIGNING, PAPERWORK

About Us

HARSHITA KUKREJA
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