Team Abhiyanta's

Team Members :

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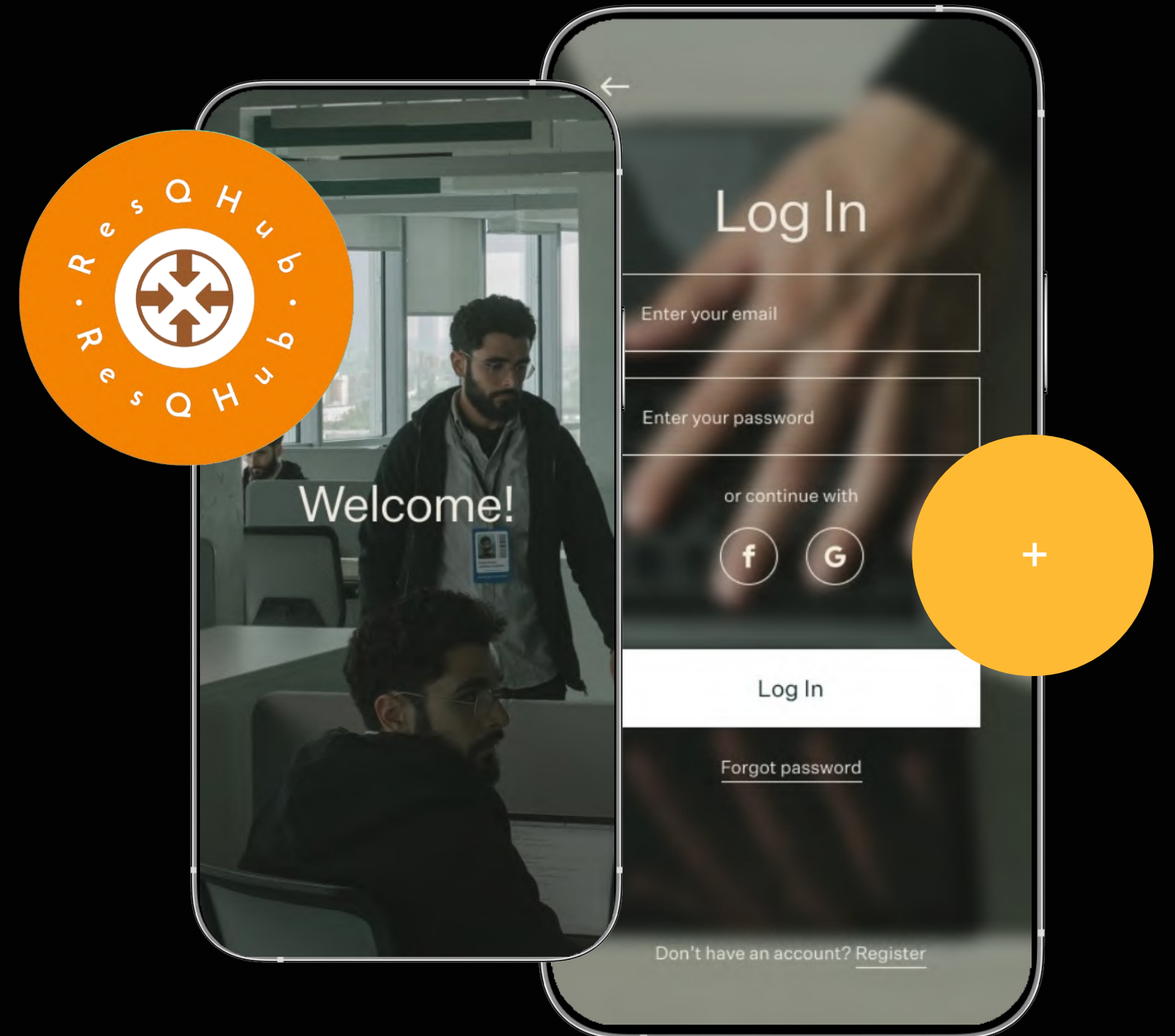
Content

Try Pitch

Problem Statement

An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/man made calamities.

Requirement

Central Database

A centralized database where all participating rescue agencies can register and store their essential information

User-Friendly Interface

An intuitive and user-friendly interface for both rescue agencies and users seeking assistance.

Filtering and Search

To streamline the coordination process.

Communication and Collaboration

Agencies can use the platform to send alerts or requests.
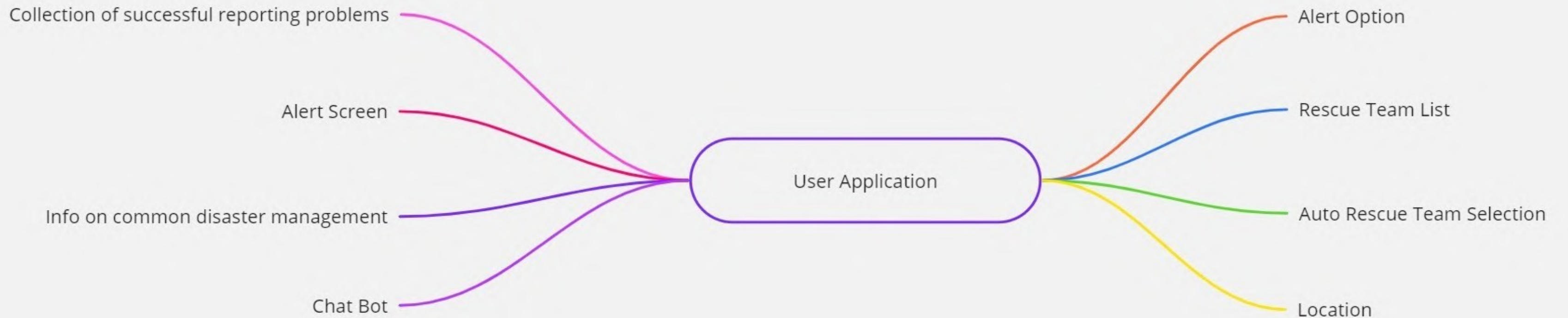
Scalability

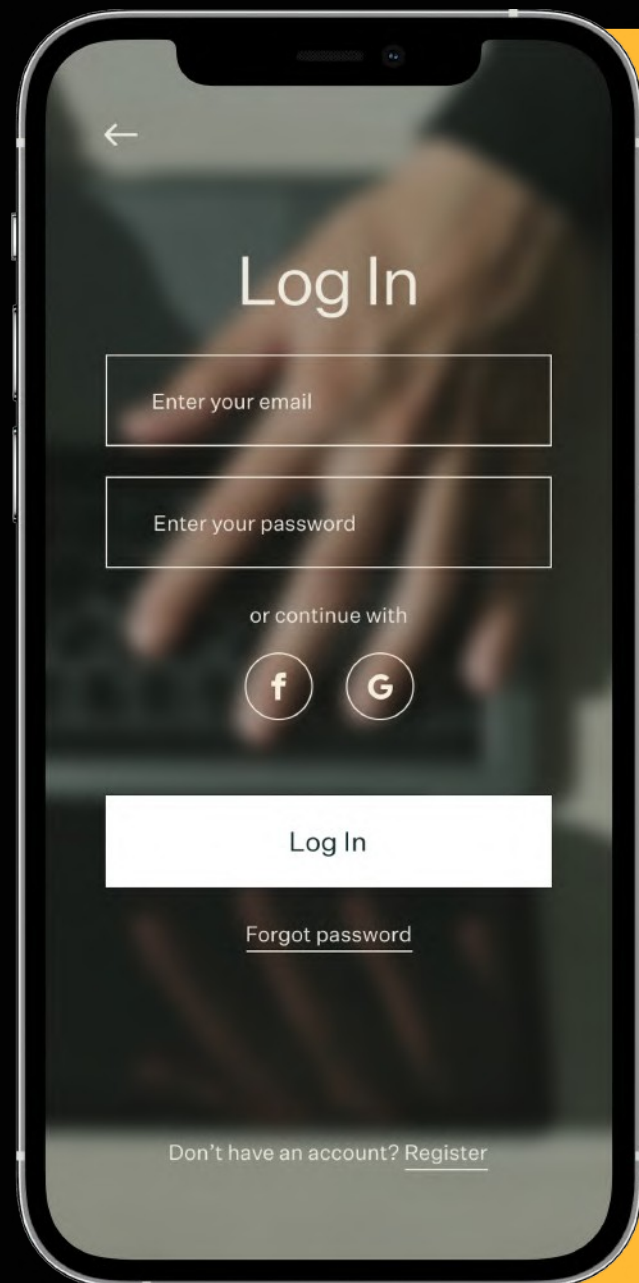Scalability ensures that the system can handle an increasing amount of data and users without performance issues.

System Flow Diagram

Panel has time limits for accepting or rejecting the task

Collection of successful history tasks

Panel has functionalities for accepting & rejecting the task

Rescue/Relief Agencies Panel

Panel dedicated to rescue agencies only

Communication & Collabration among agencies

Agencies with specific aim of providing relief

Collection of successful reporting problems

Alert Screen

Info on common disaster management

Chat Bot

User Application

Alert Option

Rescue Team List

Auto Rescue Team Selection

Location

miro

Try Pitch

Technical Details

APP

(Future Scope)
Frontend : Flutter,
salesforce
services
Backend: node.js
Data Base: Mongo

Website

Frontend:
html,css,js
Backend: php
Host:salesforce
Design:
Canva
Figma
Dribble

Try Pitch

Implementation

Our software offers an easy, safe,
and smart way to provide relief at
the time of any disaster.

01 Rescue Panel

This web-app is dedicated to the
rescue teams only.

02 Application

This application is for public use at
disastrous time

Try Pitch

Expected Impact and Benefits

Enhanced Coordination

URAL will facilitate better coordination among rescue agencies during emergencies by providing a centralized platform for tracking their locations and resources.

Faster Response Times

With the ability to locate nearby rescue agencies quickly, response times to disasters will decrease, potentially saving more lives and minimizing damage.

Improved Resource Allocation

The app will enable more efficient allocation of resources by identifying gaps in coverage and directing agencies to areas in need.

Public Awareness

URAL can also provide valuable information to the public about the nearest available help during a crisis, increasing overall safety and reducing panic.

Data-Driven Decision-Making

The application can collect data on response times, resource utilization, and areas of frequent calamities, allowing for data-driven decision-making and continuous improvement of disaster response strategies.

Challenges

Resource Management

Data Accuracy

Data Privacy

Communication In Remote Area

User Adoption

Interoperability

Solutions

Resource Management

Implement algorithms for fair resource allocation and tracking. Allow agencies to request and confirm resource sharing within the app.

Data Accuracy

Implement real-time data synchronization to keep agency information up to date. Allow agencies to verify and update their information regularly.

Data Privacy

Utilize robust encryption techniques to protect sensitive data. Implement user authentication and access controls to ensure only authorized users have access to specific information.

Communication In Remote Area

Apply GIS or Satellite Communications (SOS) for Remote areas.

User Adoption

Provide training and resources to educate agencies on the benefits and usage of the app. Highlight success stories and case studies to demonstrate the app's effectiveness.

Thank you!

Training proves to be the key ingredient to handling any disaster.