

Organisation: Women Safety Division

Category: Software

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Problem Statement: One Stop Solution- A Panic Receptive Website for Women Security and Outreach

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Technology Bucket: Open Innovation (Women Safety)

Objective:

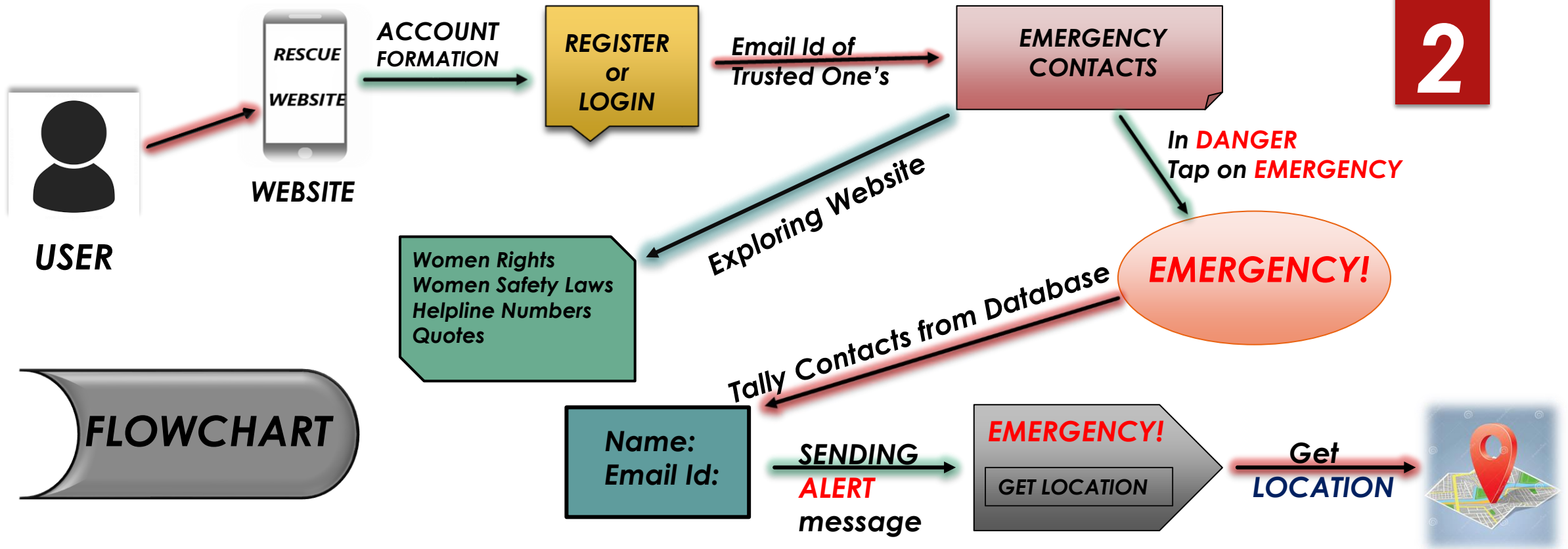
Today, with increasing crimes Women are learning to cope with anxiety and we should be ashamed. A lot of Helpline No. and Govt. initiatives are enough but they are just cures. A Technical tool is required to prevent crime before happening to keep Women Stronger and Safer...

Key Idea:

- A Website through which Women can send **Alerts** to their trusted ones in one go.
- Knowledgeable content on Women laws and Rights to aware modern Women of their powers.
- Alert Email Service to notify user's trusted one's about their location whenever in **DANGER**.
- The Website has a set of Helpline Numbers for help and consultations.

Features :

- A **Responsive Website** for women's safety and empowerment.
- Consist of **EMERGENCY** button for Women to alert their trusted one's.
- Email notifies an **Alert message** with **Location Credentials** of the women user by **Rescue team**.
- Inspirational Quotes and Women Empowering content to emphasize women to encounter every situation in real world.



GIST :

In Simple terms, In any panic situation the Women will press the **EMERGENCY** button on the website, an within no time an **ALERT** message will notify her Trusted Contacts that the women needs a serious **HELP** and the email notification will also send her Location Credentials so her trusted contacts can easily locate her within no time.

Web
ApplicationBootstrap
FrontendDjango Framework
BackendSQLite 3
Database

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Fetching Location

- **Importing Requests**

The request module allows us to send HTTP requests using Python. The HTTP request returns a Responsive Data (content , encoding ,status etc).

- **Getting Location through Ipinfo.io**

Ipinfo.io is a comprehensive IP address information lookup API(Application Programming Interface), that includes geolocation, informing network owner details.

Sending HTML Email

- **Importing smtplib Module**

This module defines on SMTP (Simple Mail Transfer Protocol) client session object that can be used to send mail to any internet machine with an SMTP.

- **Importing email.mime.text**

A subclass of MIME Multipart, the MIME Text class is used to create MIME(format of non-text email attachment that allows the attachment to be sent over the internet) object of major type text.