High-Level System Architecture

1.Node.js/JavaScript - SSL

2.Express - Framework of Node.js

3.ProgreSQL - DB

4.Lastest version of Chrome and FireFox

5.Heroku - Server

Data Definition

Admin - privilege to ban user’s IP if certain users violate forum rules

- To delete irrelevant posts or offensive posts

-Change users’ credentials

-And everything that a regular user can do

Unregistered User - View certain posts but not all

- Can’t post, can’t comment

- Can’t store any info to the server

Registered User - View all posts

- Can post new post

- Can comment under posts

-Can store their personal info to the server

Forum post - Shows locations of the event(if location service was enabled)

- Show current status(in progress/resolved/intact)

-Show contents

-Show related users’ comments

Report status: - indicates the current status of the submitted report

-show past reports as well

-city manager has the privilege to change the status of a report

User Registration Data(URD): -contains uploaded user’s information(name, DOB, etc.)

-URD also shows reports that are related to a specific user