Graduation Project

FAZAA ONLINE SYSTEM

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The Problem

Our school system requires the students to complete 100 hours of volunteering throughout their years of studying. However, the process of registering and checking completed hours is manual and tedious.

Currently, the counsellor is in charge of keeping a record of students FAZAA hours in a database. he is in charge as well of informing students verbally or by an email about volunteering chances.

Students who want to know their volunteering progress must pay a visit to the counsellor's office and ask him about it, a process which is inefficient because the counsellor is not there always and can be busy.

The Idea

The idea is to have students access their Fazaa information without a hassle.

We want students to know what kind of activities they can volunteer in, and we want them to be able to volunteer without having to meet several supervisors.

We want students also to be able to view their volunteering history and their number of completed hours.

Creativity and Originality

- There is no current system in any form internally that is intended for the said purpose

- We are creating a system that will allow students to volunteer on fazaa's activities and let student view their progress in a more efficient way.

- Also, we wanted to help the counsellor (Mr. Harby) to avoid the hassle of having to concatenate student's fazaa hours manually.

- We predict that by creating this system, more students will be willing to volunteer since it is much easier to register and obtain information, while keeping track of their status.

Solutions

Benefits to Students

Being able to sign up for upcoming events and get notified about them.
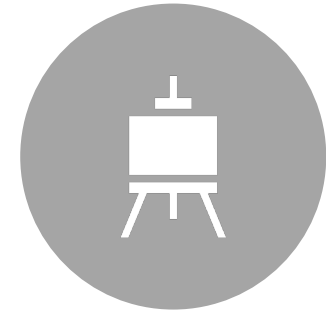
Being able to earn volunteering hours.

Being able to track completed volunteering hours.
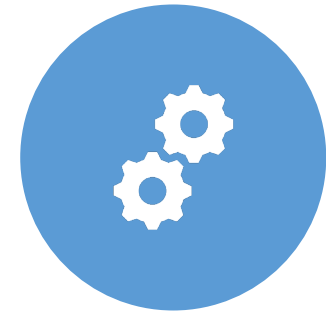
Benefits to Administration

BEING ABLE TO TRACK STUDENTS COMPLETED VOLUNTEERING HOURS.

BEING ABLE TO SETUP AND CREATE EVENTS.

BETTER DATABASE MANAGEMENT

DATA ENTRY AUTOMATION

Cross-Curricular Integration

Mathematics: We need arithmetic and algebra for simple calculations.

English and Arabic : For presenting a prototype.

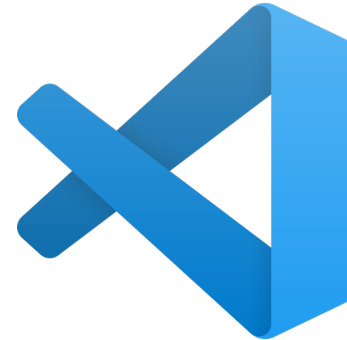App Development: Required for creating the platform, coding and UI will be done using HTML,CSS and JS

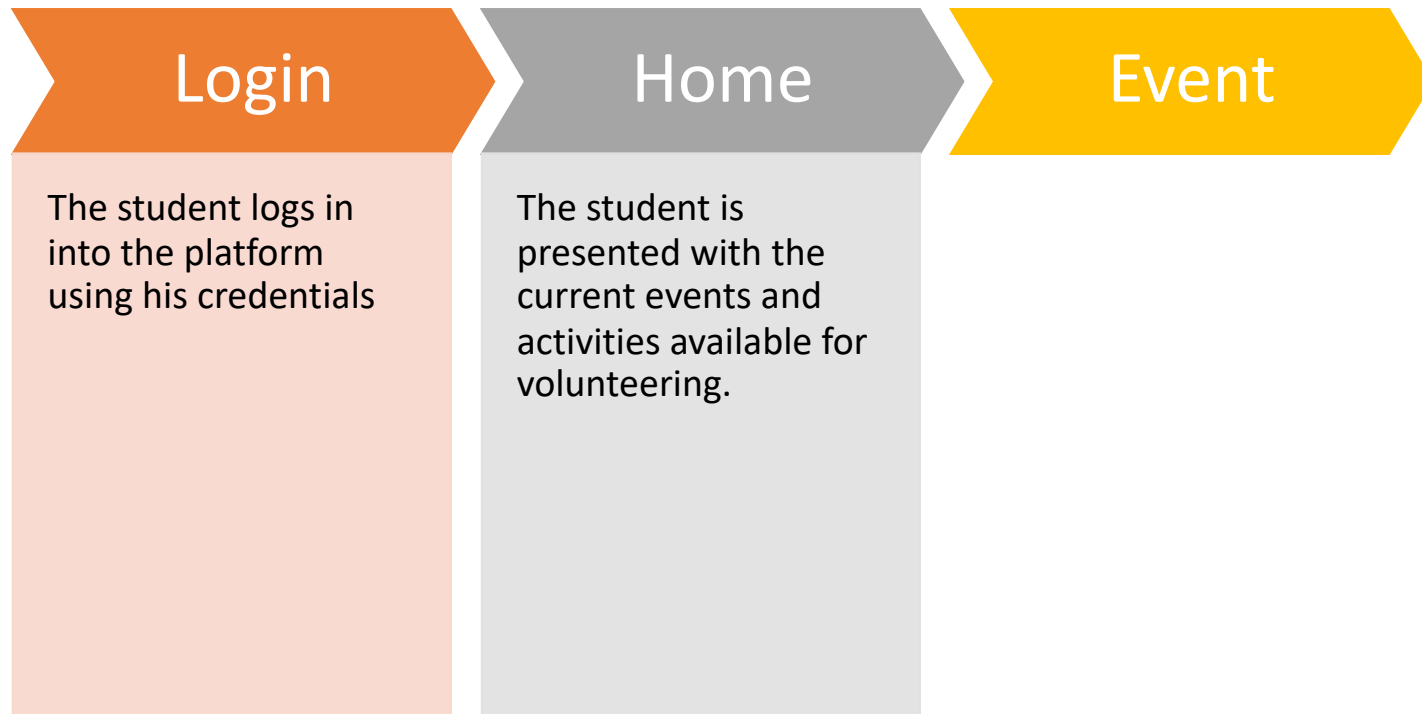Web Programming: Algorithms learned in Java will most likely be used in the platform.

Computer Security: Securing the exchange of credentials between the client and the server.

Main platforms that will be used while building the platform

- Visual Studio Code
  - App programming using HTML,CSS and Java Script.

- Adobe XD
  - UI design

- Google Firebase
  - User login Authentication
  - Databases
  - Analytics

Process Flow Chart

Login

The student logs in into the platform using his credentials

Home

The student is presented with the current events and activities available for volunteering.

Event

Platform Demo

References

- [Fazaa official website](#)
- [Existing fazaa online system](#)

Thank you for listening