

# **UTSC HUB**

## **System Design Document**

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## Frontend CRC Cards

Login Page	
Parent: none Subclass: Signup Page	
Responsibilities: <ul style="list-style-type: none"><li>• Allow users who are registered to go to their profile page to see their posts and events.</li><li>• Users who are unregistered can go to the signup page to sign up for an account.</li></ul>	Collaborators: <ul style="list-style-type: none"><li>• Signup Page</li><li>• Profile Page</li></ul>

Signup Page	
Parent: Login Page Subclass: none	
Responsibilities: <ul style="list-style-type: none"><li>• Allow unregistered users to sign up for a new account using their UofT email so they can make posts and</li></ul>	Collaborators: <ul style="list-style-type: none"><li>• Login Page</li></ul>

events.	
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Profile Page	
Parent: Login Page Subclass: Navigation Bar	
Responsibilities: <ul style="list-style-type: none"> <li>• Logged-in users can see their profile information and all the posts they made about events and items they want to sell or buy.</li> </ul>	Collaborators: <ul style="list-style-type: none"> <li>• Login Page</li> <li>• Navigation Bar</li> </ul>

Navigation Bar	
Parent: Profile Page Subclass: none	
Responsibilities: <ul style="list-style-type: none"> <li>• Logged-in users can go to different pages by clicking on the subtext in the bar</li> </ul>	Collaborators: <ul style="list-style-type: none"> <li>• Profile Page</li> <li>• About Page</li> <li>• Market Page</li> <li>• Event Page</li> <li>• Message Page</li> </ul>

## Backend CRC Cards

User	
Parent/Subclass: None	
Responsibilities: <ul style="list-style-type: none"><li>• Provides model/schema for users for the app</li></ul>	Collaborators: <ul style="list-style-type: none"><li>• MongoDB database</li><li>• Event</li></ul>

Event	
Parent/Subclass: None	
Responsibilities: <ul style="list-style-type: none"><li>• Provides model/schema for events created by users for the app</li></ul>	Collaborators: <ul style="list-style-type: none"><li>• MongoDB database</li><li>• User</li></ul>

Backend API
Parent/Subclass: none

Responsibilities: <ul style="list-style-type: none"> <li>• Handles all endpoints for authentication, log in, register</li> </ul>	Collaborators: <ul style="list-style-type: none"> <li>• Server</li> <li>• Router (auth.js, users.js, events.js, etc)</li> </ul>
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Router	
Responsibilities: <ul style="list-style-type: none"> <li>• Route configs are responsible for initializing and associating routes with controllers.</li> <li>• Handling HTTP Requests and Responses.</li> </ul>	Collaborators: <ul style="list-style-type: none"> <li>• Client</li> <li>• MongoDB database</li> <li>• Server</li> </ul>

# Software Architecture Diagram: MVC

