UTSC HUB System Design Document

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Frontend CRC Cards

Login Page

Parent: none

Subclass: Signup Page

Responsibilities:

- Allow users who are registered to go to their profile page to see their posts and events.
- Users who are unregistered can go to the signup page to sign up for an account.

Collaborators:

- Signup Page
- Profile Page

Signup Page

Parent: Login Page Subclass: none

Responsibilities:

 Allow unregistered users to sign up for a new account using their UofT email so they can make posts and events.

Collaborators:

• Login Page

Profile Page

Parent: Login Page

Subclass: Navigation Bar

Responsibilities:

 Logged-in users can see their profile information and all the posts they made about events and items they want to sell or buy.

Collaborators:

- Login Page
- Navigation Bar

Navigation Bar

Parent: Profile Page Subclass: none

Responsibilities:

 Logged-in users can go to different pages by clicking on the subtext in the bar

- Profile Page
- About Page
- Market Page
- Event Page
- Message Page

Event Page

Parent: Profile Page Subclass: Navigation Bar

Responsibilities:

 Logged-in users can see the events that have been posted.

Collaborators:

- Post Event Page
- Event Details Page
- Navigation Bar

Post Event Page

Parent: Event Page

Subclass: Navigation Bar

Responsibilities:

 Logged-in users can post their own events and the created events can be found in Event Page

- Event Page
- Navigation Bar

Event Details Page

Parent: Event Page

Subclass: Navigation Bar

Responsibilities:

 Logged-in users can see the details of the event (description) by clicking the square box in the Event Page

Collaborators:

- Event Page
- Navigation Bar

Market Page

Parent: Profile Page

Subclass: Navigation Bar

Responsibilities:

 Logged-in users can see the items that have been posted.

- Post Item Page
- Item Details Page
- Navigation Bar

Post Item Page

Parent: Market Page Subclass: Navigation Bar

Responsibilities:

 Logged-in users can post their own product in the market and users can see the products in the market page

Collaborators:

- Market Page
- Navigation Bar

Market Details Page

Parent: Market Page Subclass: Navigation Bar

Responsibilities:

 Logged-in users can see the details of the items by clicking the square box in the Market Page

- Market Page
- Navigation Bar
- Comment Section

Comment Section

Parent: Market Page Subclass: Navigation Bar

Responsibilities:

 Logged-in users can see the comments of the product and post their comments

- Market Page
- Market Details Page
- Navigation Bar

Backend CRC Cards

User		
Parent/Subclass: None		
Responsibilities:	Collaborators:	
 Provides model/schema for users for the app 	MongoDB databaseEventItem	

Event		
Parent/Subclass: None		
Responsibilities:	Collaborators:	
 Provides model/schema for events created by users for the app 	MongoDB databaseUser	

Item		
Parent/Subclass: None		
Responsibilities:	Collaborators:	
 Provides model/schema for marketplace items created by users for the app 	MongoDB databaseUser	

Backend API		
Parent/Subclass: none		
Responsibilities:	Collaborators:	
 Handles all endpoints for authentication, log in, register 	ServerRouter (auth.js, users.js, events.js, etc)	

Responsibilities: Responsibilities: Route configs are responsible for initializing and associating routes with controllers. Handling HTTP Requests and Responses. Collaborators: Collaborators: MongoDB database Server

Events Routing

Parent/Subclass: None

Responsibilities:

- Route configs are responsible for initializing and associating routes with controllers.
- Handling HTTP Requests and Responses.

Collaborators:

- MongoDB database
- User Schema Model
- Event Schema Model

Items Routing

Parent/Subclass: None

Responsibilities:

- Route configs are responsible for initializing and associating routes with controllers.
- Handling HTTP Requests and Responses relating to marketplace items

- MongoDB database
- User Schema Model
- Event Schema Model

Software Architecture Diagram: MVC

