

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">• 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: <ul style="list-style-type: none">• Signup Page• Profile Page

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

Profile Page	
Parent: Login Page Subclass: Navigation Bar	
Responsibilities: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Login Page • Navigation Bar

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

Backend CRC Cards

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

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

Backend API	
Parent/Subclass: none	
Responsibilities: <ul style="list-style-type: none">• Handles all endpoints for authentication, log in, register	Collaborators: <ul style="list-style-type: none">• Server• Router (auth.js, users.js, events.js, etc)

Router	
<p>Responsibilities:</p> <ul style="list-style-type: none">• Route configs are responsible for initializing and associating routes with controllers.• Handling HTTP Requests and Responses.	<p>Collaborators:</p> <ul style="list-style-type: none">• Client• MongoDB database• Server

Software Architecture Diagram: MVC

