System Design Document
CSCC01 Summer 2021
Team: Seal

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Software Architecture

For this project, we are using a 3-tier architecture setup, with React on the top as our Website, Express running on top of Node in the middle as our server and MongoDB as the bottom database layer.
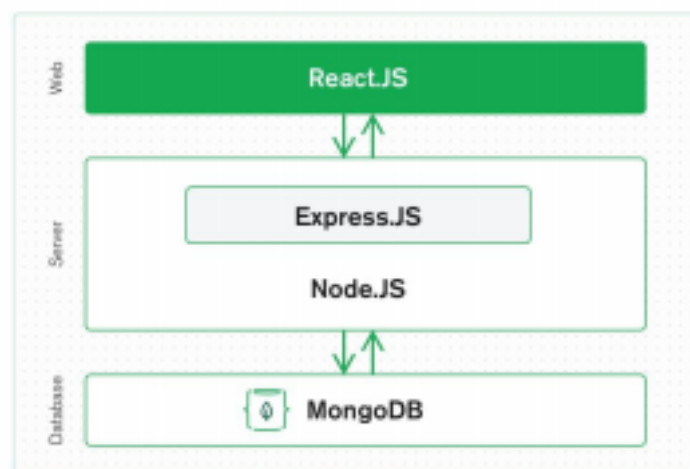

SEAL-17: As a startup founder, I want to browse through potential investors, so that I can connect with potential investors for my startup.

Class Name: FriendRequest.js

Parent Class (if any): None   **Subclasses (if any): None**

Responsibilities:
● Display current login user's friend, friend requests received, and friend requests sent.
● Link to viewing the user profile who is the user's friend, or friend requests received, or friend requests sent.
Collaborators: ● None

Class Name: MyUserProfile.js
Parent Class (if any): None   **Subclasses (if any): None**

Responsibilities:
 	
 ● Display current login user's friend
 	
    status with the user currently being
    viewed
	Collaborators:
	
	 ● None

Models:

Class Name:Friend
Parent Class (if any): None   **Subclasses (if any): None**
Responsibilities: ● Manages Friends, friendrequests outgoing and incoming. ● is pointed to by a user	**Collaborators:** ● User

SEAL-18: As a service provider, I want to provide a special discount/offer to some startups.

Class Name: OfferViewer.js

Parent Class (if any): None
Subclasses (if any): None

Responsibilities:

                                        Collaborators:

- Display the offers in the offer page
- Offer.js

- Holds the offer message text and
   the user ID of the account that offers
   it
- Allow user to click to see specific
   post

Class Name: Offer.js

Parent Class (if any): None
Subclasses (if any): None

Responsibilities:

                                          Collaborators:

- Display the specific offer
- OfferViewer.js

SEAL-37: As a user, I want to create posts that also display my user information, so that other people are able to find out more about me

Class Name: PostPopup.js

Parent Class (if any): None
Subclasses (if any): None

Responsibilities:

Collaborators:

- Displays the name of the poster

  - None

- Displays detailed information of
    poster when hovering over the name
- Clicking on name redirects you to
    the user's profile

SEAL-13: As a teacher, I want to schedule events for other participants in the incubation program.

Class Name: Event.js

Parent Class (if any): None
Subclasses (if any): None

Responsibilities:

Collaborators:
- Displays an event item passed to it   • None
- Stores an event object

Class Name: Events.js

Parent Class (if any): None
Subclasses (if any): None

Responsibilities:

Collaborators:
- Stores a list of event objects   • Event.js
- Displays a list of event objects