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

Class Name: Event	
Parent Class (if any): None **Subclasses (if any): None**	
Responsibilities: ● Displays time of event ● Displays name and date of event ● Displays zoom link to event	**Collaborators:** ● None

Class Name: EventsList	
Parent Class (if any): None **Subclasses (if any): None**	
Responsibilities: ● Displays list of events	**Collaborators:** ● Event

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

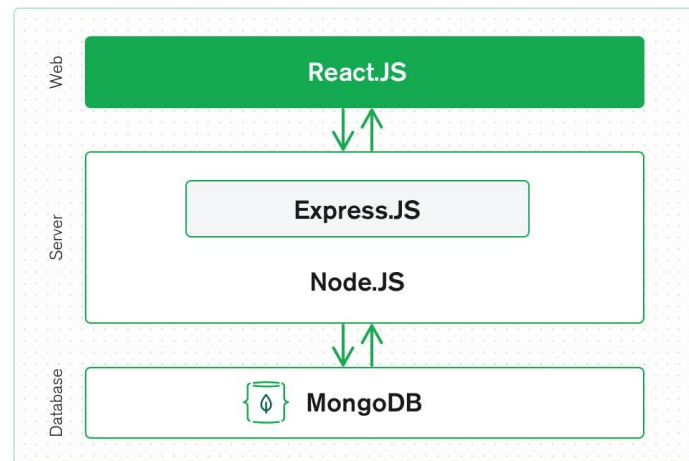| Responsibilities:	Collaborators:
● Displays all events in a calendar	● EventsList

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:	Collaborators:
● 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.	● None

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

Responsibilities:	Collaborators:
● Display current login user's friend status with the user currently being viewed	● 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: • Display the offers in the offer page • Holds the offer message text and the user ID of the account that offers it • Allow user to click to see specific post	**Collaborators:** • Offer.js

Class Name: Offer.js	
Parent Class (if any): None **Subclasses (if any): None**	
Responsibilities: • Display the specific offer	**Collaborators:** • 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:
   ● Displays the name of the poster
   ● Displays detailed information of poster when hovering over the name
   ● Clicking on name redirects you to the user's profile
	Collaborators:
	   ● None