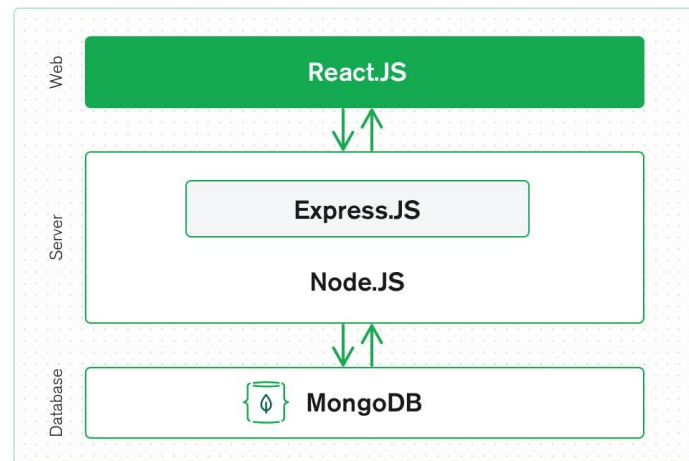


System Design Document
CSCC01 Summer 2021
Team: Seal

Table of Contents

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-5: As a user, I want to be able to privately message other members of the community, so that I can talk to them privately.

Class Name: FriendList	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none">• Displays all contacts• Redirects to conversation with contact when contact is clicked	Collaborators: <ul style="list-style-type: none">• MessageList

Class Name: MessageList	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities:	Collaborators: <ul style="list-style-type: none">• MessageBox

<ul style="list-style-type: none"> • Displays the conversation as a list of MessageBoxes • Stores the conversation between two users as a list of Messages • Displays a MessageInput 	<ul style="list-style-type: none"> • MessageInput
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Class Name: MessageBox	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> • Displays the Contents of a message • Displays the owner of the message abstractly • Displays the time last modified of the message • Displays whether the message has been modified • Allows user to modify the message 	Collaborators: <ul style="list-style-type: none"> • None

Class Name: MessageInput	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> • Displays a input box to write new messages • Displays a button that adds the written message when clicked 	Collaborators: <ul style="list-style-type: none"> • None

Class Name:	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> • 	Collaborators: <ul style="list-style-type: none"> •

SEAL-8: As a teacher, I want to assign deliverables, so that other users can complete them.

Class Name:	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none">•	Collaborators: <ul style="list-style-type: none">•

SEAL-12: As a startup founder, I want to submit deliverables, so that teachers may check over them.

Class Name: Submit	
Parent Class (if any): none Subclasses (if any): none	
Responsibilities: <ul style="list-style-type: none">• Allows users to upload their deliverables.• Displays the instructions and resources for the assignment.• Tracks which course and assignment the user is uploading the deliverable to.• Display the uploaded files to the user.	Collaborators: <ul style="list-style-type: none">• None

SEAL-16: As an investor, I want to browse through startups, so that I can find one that I want to invest in.

Class Name: Search.js	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none">• Allow users to view all company or user lists by choice.• Allow users to search through searching keyword from company lists or user lists	Collaborators: <ul style="list-style-type: none">•

SEAL-19: As a user, I want to search for another user, so that I can learn more about them and connect with them.

Class Name: Search.js	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none">• Allow users to view all company or user lists by choice.• Allow users to search through searching keyword from company lists or user lists	Collaborators: <ul style="list-style-type: none">•

Class Name: CreateUserProfile	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> ● Allow users input text information regarding building company profile, including company title, tagline, description, and email address. ● Allow users to upload images for the company logo. ● Allow users to include links to external websites, such as Twitter and Facebook, by choice. ● Allow users to include and link members of the company. ● Pass user input into the database. 	Collaborators: <ul style="list-style-type: none"> ●

Class Name: EditUserProfile	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> ● Request field of user input information stored in the database. ● Allow the user to fill in the desired update on their respective user profile. ● Pass user input into the database. 	Collaborators: <ul style="list-style-type: none"> ●

Class Name: MyUserProfile	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> ● Display required information in setting up the user_id, username, 	Collaborators: <ul style="list-style-type: none"> ●

userbio, gender, email, links, belongingCompany, position, profileImage, backgroundImage	
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SEAL-38: As a user, I want to be recognized in the client after I've logged in, so that I can access other resources under my account

Class Name: User	
Parent Class (if any): None Subclasses (if any): StartupFounder, Investor, Instructor	
Responsibilities: <ul style="list-style-type: none"> Now holds extra fields including userbio, gender, links, affiliation, and position now has access to hidden and protected routes after logged in 	Collaborators: <ul style="list-style-type: none">

SEAL-39: As a user, I want to access all the features the previous sprint, so that I can navigate through the website easily

Class Name:	
Parent Class (if any): None Subclasses (if any): None	
Responsibilities: <ul style="list-style-type: none"> 	Collaborators: <ul style="list-style-type: none">

