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Personas

Overview

Team	WI5DOM
Team members	@Eric I @Yijun Guo @Zixian Li @Joyce Wang @Xinyu Shi
Product owner	@Joyce Wang
Scrum Master	@Joyce Wang
Developers - front end	@Joyce Wang @Xinyu Shi
Developers - back end	@Zixian Li @Eric I @Yijun Guo
Stakeholders	@Zixian Li @Joyce Wang

Roles and Responsibilities

Team member	Role	Responsibility	Reason
Eric Zeng	Back-end developer	1. Build and maintain the server-side infrastructure of the CIT app and Admin website. 2. Manage databases and develop APIs.	Eric has experiences in building back-end infrastructure and manage database. His coding skills are exceptional, thereby making him the most essential role in the back-end development component.
Joyce Wang	Product owner Scum master Front-end developer Stakeholder	1. Overall project coordination 2. Communicate with clients and provide feedback 3. Translate the visual design into JavaScript code	Joyce possesses an excellent communication skills and remarkable attention to detail. She consistently excels at conveying the needs and vision between the team and stakeholders, ensuring a clear project direction. Moreover, her listening skills are outstanding as she always cares about the needs and concerns of team members, proactively offering support and assistance.

Xinyu Shi	Front-end developer Testing	<ol style="list-style-type: none"> 1. Responsible for creating and modifying UI designs. 2. Translate the visual design into JavaScript code. 3. Ensure security 	Xinyu pays meticulous attention to details, ensuring that the product maintains high quality and consistency in all aspects, thus she is suitable for testing. Effective communication is vital for front-end developers and she has creative mindset, making her well-suited for the role of a front-end developer.
Yijun Guo	Back-end developer Code Review	<ol style="list-style-type: none"> 1. Build and maintain the server-side infrastructure of the CIT app and Admin website. 2. Ensure security 	Yijun excels in code reviews, meticulously analyzing code to provide valuable feedback and suggestions, ensuring code quality is maintained and improved, thus she role as code reviewer. Additionally, she possesses strong coding skills and is capable of crafting efficient and reliable backend code.
Zixian Li	Back-end developer Stakeholder	<ol style="list-style-type: none"> 1. Build and maintain the server-side infrastructure of the CIT app and Admin website. 2. Record and modify documentation and meetings. 3. Receive feedback from our current process and propose improvement plans. 	Zixian is an excellent communicator and record-keeper, adept at connecting with various stakeholders and effectively conveying project requirements and progress. She possesses exceptional organizational and record-keeping skills, meticulously documenting meeting minutes, project requirements, and decisions to ensure that all stakeholders have a clear understanding of the project's direction and goals. She also has good skills in coding and learn fast.

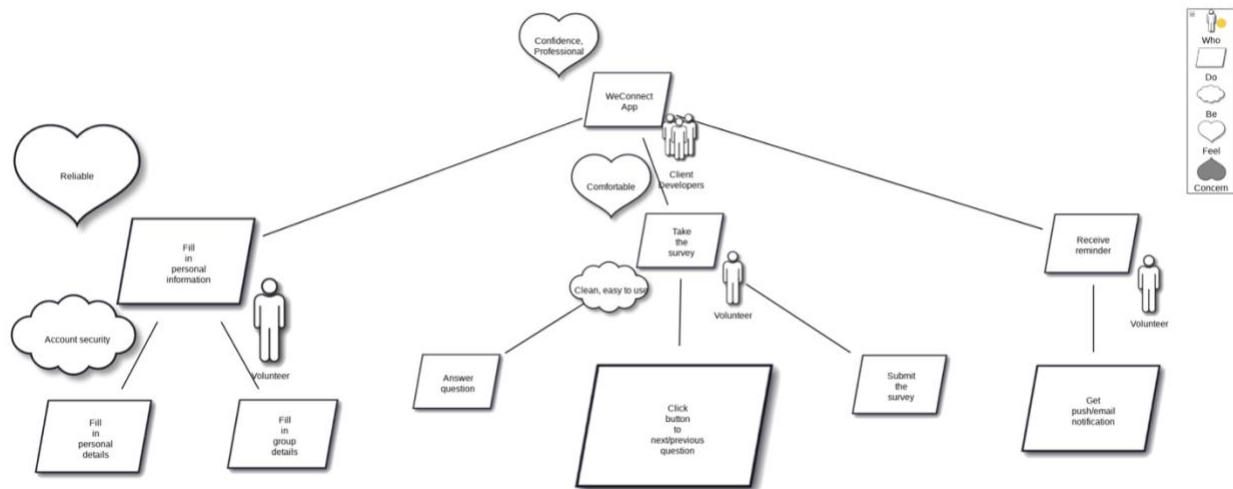
WeConnect Application

User Stories

Epic	User story ID	As a/an	I want to	so that	Priority
Fill in personal information	3.1.1	volunteer	fill in my name (first name, last name)	I can identity myself in the database.	Must have
	3.1.2	volunteer	fill in my email	I can identity myself in the database and receive email notifications.	Must have
	3.1.3	volunteer	fill in my post code	I can identity myself in the database.	Must have
	3.1.4	volunteer	choose my organization through dropdown options	I can the organization manager can view my data.	Must have
	3.1.5	volunteer	enter the name of my organization if I can't find it in dropdown options	I can the organization manager can view my data.	Must have
	3.1.6	volunteer	enter manager email (if have)	The manager can also receive an email notification after two months.	Must have
Take the survey	4.1.1	volunteer	enter the first survey	I can provide insights to improve the program and enhance the experience for both participants and future volunteers.	MUst have
	4.1.2	volunteer	enter the second survey	I can provide insights to improve the program and enhance the experience for both participants and future volunteers.	MUst have
	4.1.3	volunteer	click the button to the next question	I can answer the rest of the questions in the survey.	MUst have
	4.1.4	volunteer	click the button to the previous question	I can return back to questions I have answered and change them.	MUst have
	4.1.5	volunteer	input the short answer by text or number	I can type to answer my own opinions or experiences.	MUst have
	4.1.6	volunteer	click button to choose yes or no	I can select one option from the provided choices.	MUst have
	4.1.7	volunteer	click button to rate an option	I can select one option from the provided choices.	MUst have
	4.1.8	volunteer	click the button to submit the survey	I can let my input and perspectives be shared with the organization.	MUst have
	4.1.9	volunteer	tick the box to sign policy agreement	I can clearly understand and agree to the organization's rules, ensuring a safe and responsible survey experience.	MUst have
	4.1.10	volunteer	find a Thank you/Congratulations page after completing the survey	I receive acknowledgement for my participation and know that the survey has been successfully submitted	can have
	4.1.11	volunteer	see a progress bar inside the survey	I can easily track my progress and understand how much of the survey remains to be completed	should have
	4.1.12	volunteer	access a clear and informative introduction about WeConnect	I can comprehend the purpose and significance of my survey participation.	should have

Reminder and notification system	5.1.1	volunteer	receive notifications after two months	A reminder for volunteers to complete the second questionnaire.	must have
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Motivational Model



Testing Guide

Steps:

1. **check out Test Branch:** [GitHub - Isabelle/CIT-Android-team75 at new_app_front](#)

Start by navigating to the '*sprint_two_web*' branch on your version control system. Make sure you're working with the latest code.

```
1 # Command for git thorough Terminal
2 git checkout new_app_front
```

Run Frontend:

- Download and open Android studio and navigate to the `Weconnect/front_app` directory.
- Run the `mainActivity`.

Test Cases

- Functionality Test Cases

Module	Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status(Pass/Fail)
Home Page	HP-1	Check "Take Survey" Button is valid for user.	1. Click on "Take Survey" Button	None	Redirect to take survey decision page.	Redirect to take survey decision page.	PASS
	HP-2	Check left side Navigation bar is valid.	1. Click the icon of menu	None	The navigation bar appears on the left side of home page.	The navigation bar appears on the left side of home page.	pass
Navigation Bar	NB-1	Check the item of "Home Page" is valid.	1. Click the item of "Home Page"	None	Redirect to Home Page.	Redirect to Home Page.	pass
	NB-2	Check the item of "About WeConnect" is valid.	1. Click the item of "About WeConnect"	None	Redirect to About WeConnect Page.	Redirect to About WeConnect Page.	pass
	NB-3	Check the item of "Contact us" is valid.	1. Click the item of "Contact us"	None	Redirect to Contact us Page.	Redirect to Contact us Page.	pass
	NB-4	Check the item of "Privacy Policy" is valid.	1. Click the item of "Privacy Policy"	None	Redirect to Privacy Policy Page.	Redirect to Privacy Policy Page.	pass
Fill in personal information	PI-1	Check Personal Details page is available for entry.	pre-condition: HP-1 1. Enter first name. 2. Enter last name. 3. Enter email. 4. Enter postcode.	first name = "lili" last name = "wong" email = test1@gmail.com postcode = 3000	All edit boxes should be entered.	All edit boxes can be entered.	pass
	PI-2	Check the data of personal details can be entered into the database.	pre-condition: PI-1 1. Click on "next" button.	first name = "lili" last name = "wong" email = test1@gmail.com postcode = 3000	The data of personal information should be displayed in the database.	The data of personal information displayed in the database.	pass
	PI-3	Check the button "Next" is	PI-2	first name = "lili"	Redirect to the next page.	Redirect to the next page.	pass

		valid when fill in all the edit boxes.		last name = "wong" email = test1@gmail.com postcode = 3000			
	PI-4	Check the dropdown is valid.	pre-condition: PI-2 1. click on dropdown box. 2. select a organisation option.	choose "Victoria Volunteer."	The dropdown box should displays correctly and can be clicked.	The dropdown box displays correctly and can be clicked.	pass
	PI-5	Check the data of organisation details can be entered into the database.	PI-4	choose "Victoria Volunteer."	The data of personal information should displayed in the database.	The data of personal information should displayed in the database.	
	PI-6	Check Organisation page is available for entry.	pre-condition: PI-2 1. Enter organisation name. 2. Enter manager email.	organisation name = "Unimelb volunteer" manager email = manager@gamil.com	All edit boxes should be entered.	All edit boxes are able to enter.	pass
Take Survey	TS-1	Check the "first survey" button is valid	1. Open WeConnect App. 2. Click on "Take survey" button. 3. Click on "first survey" button.	None	Redirect to the First Survey Page.	Redirect to the First Survey Page.	pass
	TS-2	Check the "second survey" button is valid	1. Open WeConnect App. 2. Click on "Take survey" button. 3. Click on "second survey" button.	None	Redirect to the Second Survey Page.	Redirect to the Second Survey Page.	pass
	TS-3	Check the "next" button is valid	pre-condition: TS-1/ TS-2 1. Click on "next" button.	None	Redirect to the next page.	Redirect to the next page.	pass

	TS-4	Check the "previous" button is valid	pre-condition: TS-1/TS-2 1. Click on "previous" button.	None	Redirect to the previous page.	Redirect to the previous page.	pass
	TS-5	Check the rating button is valid.	pre-condition: TS-1/TS-2 1. Click on rating button.	None	The rating scale button 1-5 or 1-10 should be clickable.	The rating scale button 1-5 or 1-10 is clickable.	
	TS-6	Check the "YES" button is valid.	pre-condition: TS-1/TS-2 1. Click on "YES" button.	None	The "YES" button should be clickable.	The "YES" button is clickable.	
	TS-7	Check the "NO" button is valid.	pre-condition: TS-1/TS-2 1. Click on "NO" button.	None	The "NO" button should be clickable.	The "NO" button is clickable.	
	TS-8	Check the edit box is enterable.	pre-condition: TS-1/TS-2 1. Enter answer.	answer = 12	The user can enter the answer in the edit box.		
	TS-9	Check the "Submit" button is valid.	pre-condition: TS-1/TS-2 1. Click on "Submit"	None	Redirect to the Congrats Page.	Redirect to the Congrats Page.	pass

- User Interface Test Cases

Module	Test Case s ID	Test Cases Descriptio n	Test Steps	Test Data	Expected Result	Actual Result	Status(Pas s Fail)
Home Page	UIHP-1	Verify the spelling is correct.	1. Open WeConnec t App.	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass
	UIHP-2	Verify that all the text, color, and images on the Home Page are displaying correctly.	1. Open WeConnec t App.	None	All text, backgrounds , colors, and images are displaying as expected.	All text, backgrounds , colors, and images are displaying as expected.	pass

Navigation Bar	UINB-1	Verify the spelling is correct.	1. Click the icon of menu	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	PASS
	UINB-2	Verify that when clicking on an item in the navigation bar, the color of that section changes to indicate it has been clicked.	1. Click the item on the navigation bar.	None	The selected menu item changes its color upon clicking.	The selected menu item changes its color upon clicking.	pass
	UINB-3	Verify that all the text, color, and images on the navigation bar are displaying correctly.	1. Click the icon of menu	None	All text, backgrounds, colors, and images are displaying as expected.	All text, backgrounds, colors, and images are displaying as expected.	pass
About WeConnect Page	UIAW-1	Verify the spelling is correct.	1. Click the icon of menu 2. Click the "About WeConnect" item on the navigation bar.	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass
	UIAW-2	Verify that all the text, color, and images on the About WeConnect Page are displaying correctly.	1. Click the icon of menu 2. Click the "About WeConnect" item on the navigation bar.	None	All text, backgrounds, colors, and images are displaying as expected.	All text, backgrounds, colors, and images are displaying as expected.	pass
	UIAW-3	Verify that text and images are displayed as expected when the page is swiped up and down.	1. Click the icon of menu 2. Click the "About WeConnect" item on the navigation bar. 3. sliding page.	None	text and images are displayed as expected when the page is swiped up and down.	text and images are displayed as expected when the page is swiped up and down.	pass
Contact Us Page	UICU-1	Verify the spelling is correct.	1. Click the icon of menu 2. Click the "Contact Us" item on	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass

			the navigation bar.				
	UICU-2	Verify that all the text, color, and images on the Contact Us Page are displaying correctly.	<ol style="list-style-type: none"> 1. Click the icon of menu 2. Click the "Contact Us" item on the navigation bar. 	None	All text, backgrounds, colors, and images are displaying as expected.	All text, backgrounds, colors, and images are displaying as expected.	pass
Privacy Policy Page	UIPP-1	Verify the spelling is correct.	<ol style="list-style-type: none"> 1. Click the icon of menu 2. Click the "Privacy Policy" item on the navigation bar. 	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass
	UIPP-2	Verify that all the text, color, and images on the Contact Us Page are displaying correctly.	<ol style="list-style-type: none"> 1. Click the icon of menu 2. Click the "Privacy Policy" item on the navigation bar. 	None	All text, backgrounds, colors, and images are displaying as expected.	All text, backgrounds, colors, and images are displaying as expected.	pass
Fill in personal information	UIPI-1	Verify that the text box with the hint text is aligned properly.	pre-condition: HP-1 <ol style="list-style-type: none"> 1. Click on "first survey" button. 	None	The text box with the hints ("Enter first name here", "Enter last name here", "Enter email here", "Enter postcode here") should render correctly.	The text box with the hint text("Enter first name here", "Enter last name here", "Enter email here", "Enter postcode here") has rendered correctly.	pass
	UIPI-2	Verify that the error message must appear when the "next" button is clicked, and that the text box is empty.	pre-condition: UIPI-1 <ol style="list-style-type: none"> 1. Enter first name. 2. Enter last name. 3. Enter email. 4. Enter empty postcode. 5. Click on "next" button 	first name = "lili" last name = "wong" email = test1@gmail.com postcode =	Error message: "Text box cannot be empty" should appear at the bottom of this page.	Error message: "Text box cannot be empty" appeared at the bottom of this page.	pass
	UIPI-3	Verify the spelling is correct.	UIPI-1	None	All the text on the page	All the text on the page	pass

					is spelled correctly.	is spelled correctly.	
	UIPI-4	Verify that the dropdown box with the options is aligned properly.	PI-2	None	The dropdown box with the options should render correctly.	The dropdown box with the options render correctly.	pass
Take Survey	UITS-1	Verify that the layout of question type of yes or no is correct. (logo, topic, question type, button, background, font, color)	TS-1 / TS-2	None	The layout of question type of yes or no should render correctly.	The layout of question type of yes or no should render correctly.	pass
	UITS-2	Verify that the layout of question type of short answer is correct. (logo, topic, question type, button, background, font, color)	TS-1 / TS-2	None	The layout of question type of short answer should render correctly.	The layout of question type of short answer should render correctly.	pass
	UITS-3	Verify that the layout of question type of rating scale is correct. (logo, topic, question type, button, background, font, color)	TS-1 / TS-2	None	The layout of question type of rating scale should render correctly.	The layout of question type of rating scale should render correctly.	pass
	UITS-4	Verify that the layout of question type of dropdown is correct. (logo, topic, question type, button, background, font, color)	TS-1 / TS-2	None	The layout of question type of dropdown should render correctly.	The layout of question type of dropdown should render correctly.	pass
	UITS-5	Verify the spelling is correct.	TS-1 / TS-2	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass

- API Test Cases

Module	Test Cases ID	Test Cases Description	Test Steps	Expected Result	Actual Result	Status (Pass / Fail)
API	TC-1	Verify the API is up and running.	Send a GET request to the API endpoint for a health check	API returns a 200 OK response with a success message or status.	API return 200	pass
	TC-2	Verify the invalid request handling.	enter invalid request or missing parameters	The API should return an appropriate error status code and an error message.		
	TC-3	To verify the API behavior when invalid authentication credentials are provided.	Send a request to the API with invalid authentication credentials.	API returns a 401 Unauthorized response with an appropriate error message.	API return 401	pass
	TC-4	Verify Response Time	<ol style="list-style-type: none"> 1. Send an API request. 2. Record the start timestamp of the request. 3. Receive the response. 4. Record the end timestamp of the response. 5. Calculate the response time (end timestamp minus start timestamp). 	The response time should be within 2s, and the API should not experience significant delays.	The response time should be within 1s.	pass
	TC-5	Verify PUT/POST/PATCH Request.	Request data for resource update.	The API should update the resource and return a 200 or 204 status code.	API return 200	pass

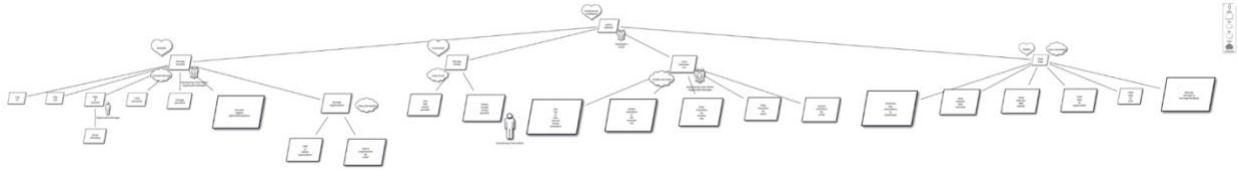
Admin Management System

User Stories

Epic	User story ID	As a/an	I want to	so that	Priority
Account Management	6.1.1	admin/manager	log in	I can access the data collected by the survey.	Must have
	6.1.2	admin/manager	log out	I can keep my data and account safe.	Must have
	6.1.3	admin/manager	change password	I can modify my password as my personal preference.	Must have
	6.1.4	admin/manager	reset password by email verification	I can still access my account if I forget the password.	Must have
	6.1.5	admin/manager	edit profile details	I can edit personal information such as username or email.	should have
	6.2.1	manager	click button to sign up	I can create an account.	Must have
	6.2.2	manager	choose the organization belonging	I can be classify under a registered organization.	Must have
	6.2.3	manager	see the instructions of organization registration including the email of admin	I can register a new organization if I did not find it in the selection.	Must have
	6.2.4	manager	email verification	I can prove I provide the correct email when I sign up.	Must have
	6.2.5	manager	receive email about my sign up request outcome	I can have a notice when the admin has processed my request.	SHOULD HAVE
	6.3.1	admin	see all of the manager sign up request	I can check if the manager use a email relate to the organization.	Must have
	6.3.2	admin	approve the manager sign up request	I can allow the manager to have an account and log in.	Must have
	6.3.3	admin	disapprove the manager sign up request	I can disapprove the request when there is any problem with the manager sign up.	Must have
	6.3.4	admin	add a new organization to the system	I can manage its members efficiently.	Must have
	6.3.5	admin	delete existed organization to the system	I can manage its members efficiently.	Must have
	6.3.6	admin	search registered group by name	I can find the specific group to avoid duplication.	SHOULD HAVE
Manage the survey	7.1.1	admin	click button to add new survey question	I can enter the page to add more question inside the survey.	Must have
	7.1.2	admin	choose new question input type	I can have a different input type according to different questions I would like to ask.	MUst have

	7.1.3	admin	choose new question title	I can enter the page to add more question inside the survey.	MUst have
	7.1.4	admin	add new question content	I can add the main question I would like the volunteer to see in the survey.	MUst have
	7.1.5	admin	add dropdown options for new questions	I can add choices for multiple choice question.	MUst have
	7.1.6	admin	add min/max rating representations	I can add choices for rating question.	MUst have
	7.1.7	admin	see the list of all existed survey questions	I can view or modify all survey questions.	SHOULD HAVE
	7.1.8	admin	click button delete exist question	I can delete the question I do not want to appear in the survey.	MUst have
	7.1.9	admin	click button to submit new questions	I can save the modify I have done for the survey.	MUst have
Data Review and Analysis	8.1.1	admin/manager	view the indicator data through a summary (graphs)	I can easily identify trends, patterns, and anomalies within the data, revealing valuable insights.	MUST HAVE
	8.1.2	admin/manager	view the indicator data by question	I can gain a more comprehensive understanding of the question I am interested in.	SHOULD HAVE
	8.1.3	admin/manager	click on a button and filter data by year	I can view all data of volunteers who completed the survey in the same year.	must have
	8.1.4	admin/manager	view a list of all the volunteers under the selected admin/manager	I can effectively manage the volunteers.	SHOULD HAVE
	8.1.5	admin/manager	overview key informations of survey data	I can visualize the summarized version of data and have a general feeling about these data.	SHOULD HAVE
	8.2.1	admin	click on a button and filter data by organization	I can view all data of volunteers belonging to a particular organization .	must have
	8.2.2	admin	delete a survey data	I can remove the survey has some mistakes or implausible survey.	should have
Reminder and notification system	9.1.1	admin/manager	see a list of volunteers who need to complete the second surveys.	I can know how many people are ready to have the second survey and know their details.	should have
	9.1.2	admin/manager	sort list by days or first name or last name	I can organize the list based on my specific needs	should have
	9.1.3	admin/manager	search the volunteer by email	I can quickly find the specific user.	should have
	9.2.1	admin	delete a volunteer from the list	I can remove the volunteer who do not want further notification.	should have

Motivational Model



Testing Guide

Steps:

1. **Check Out Test Branch:** [GitHub - Isabelllle/CIT-Android-team75 at sprint_two_web](#)

Start by navigating to the '*sprint_two_web*' branch on your version control system. Make sure you're working with the latest code.

```
1 # Command for git thorough Terminal
2 git checkout sprint_two_web
```

2. Both frontend and backend servers need to be running simultaneously.

Run Frontend:

- Open a terminal window and navigate to the `AdminWeb/front_web/admin_react` directory.
- Use the following command to start the frontend server:

```
1 npm start
```

Run Backend:

- Open a new terminal window and navigate to the `AdminWeb/back_web` directory.
- Start the backend server using the following command:

```
1 node app.js
```

3. Access The Website:

- Open a web browser and go to the address: <http://localhost3001/static/login> (Login Page)

Our admin account provided for the test is:

- **Email:** 1234567@gmail.com
- **Password:** 123

Additionally, you can access the signup page at <http://localhost:3001/static/signup>.

Test Cases

- Functionality Test Cases

Module	Test Cases ID	Test Cases Description	Test Steps	Test Data	Expected Result	Actual Result	Status(Pass/ Fail)
Login Page	LP-1	Check admin Login with a valid Email and valid Password.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Enter Email. 3. Enter Password. 4. Click the "Log in" button. 	Email = weconnect@volunteeringvictoria.org.au Password = admin	Admin should successfully login into WeConnent Admin management Website and access the admin Dashboard page.	Admin successfully logged into WeConnent Admin management Website and accessed the admin Dashboard page.	pass
	LP-2	Check manager Login with a valid Email and valid Password.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Enter Email. 3. Enter Password. 4. Click the "Log in" button. 	Email = gyijun@gmail.com Password = qw	Manager should successfully login into WeConnent Admin management Website and access the manager Dashboard page.	Manager successfully logged into WeConnent Admin management Website and accessed the manager Dashboard page.	pass
	LP-3	Check user Login with an invalid email address and valid Password.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Enter invalid Email. 3. Enter valid Password. 4. Click the "Log in" button. 	Email = wrong@gmail.com Password = qw	The user should not log in successfully and receives the message 'Invalid password or email.'	The user did not log in successfully and received the message 'Invalid password or email.'	pass
	LP-4	Check user Login with a valid email address and invalid Password.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Enter valid Email. 3. Enter invalid Password. 4. Click the "Log in" button. 	Email = gyijun@gmail.com Password = 1111	The user should not log in successfully and receives the message 'Invalid password or email.'	The user did not log in successfully and received the message 'Invalid password or email.'	pass
	LP-5	Check user Login with an invalid email address and invalid Password.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Enter invalid Email. 3. Enter invalid Password. 4. Click the "Log in" button. 	Email = wrong@gmail.com Password = 1111	The user should not log in successfully and receives the message 'Invalid password or email.'	The user did not log in successfully and received the message 'Invalid password or email.'	pass

					'Invalid password or email.'		
	LP-6	Check user Login with a blank email address and valid Password.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Enter valid Password. 3. Click the "Log in" button. 	Email = " " Password = qw	The user should not log in successfully and receives the message 'This field cannot be empty'.	The user did not log in successfully and received the message 'This field cannot be empty'.	pass
	LP-7	Check that the "Forgot Password ?" link works properly and the user is redirected to the password reset page.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Click the "Forgot Password" link. 	None	User should successfully access the password reset page.	User successfully accessed the password reset page.	pass
	LP-8	Check that the "Sign up here" link works properly and the user is redirected to the password reset page.	<ol style="list-style-type: none"> 1. Open WeConnent Admin management Website. 2. Click the "Sign up here" 	None	User should successfully access the register page.	User successfully accessed the register page.	pass
Sign up	SU-1	Check sign up page is available for entry.	pre-condition: LP-8 <ol style="list-style-type: none"> 1. Enter first name. 2. Enter last name. 3. Enter email. 4. Enter password. 5. Enter confirm password. 	first name = "lili" last name = "wong" email = test1@gmail.com password = 1111 confirm password = 1111	All edit boxes should be entered.	All edit boxes are able to be entered.	pass
	SU-2	Check the dropdown is valid.	pre-condition: LP-8 <ol style="list-style-type: none"> 1. Select a Victoria Volunteer option. 	choose "Victoria Volunteer."	The dropdown box should display correctly and can be clicked.	The dropdown box displayed correctly and are able to be clicked.	pass

	SU-3	Check the button "Sign up" is valid when fill in all the edit boxes.	pre-condition: LP-8 <ol style="list-style-type: none"> 1. Enter first name. 2. Enter last name. 3. Enter email. 4. Enter password. 5. Enter confirm password. 6. Select a Victoria Volunteer option. 7. Click on the "Sign up" button. 	first name = "lili" last name = "wong" email = test1@gmail.com password = 1111 confirm password = 1111 group = Victoria Volunteer	Redirect to the next page.	Redirect to the next page.	pass
	SU-4	Check that the "Register Here" link works properly and the user is redirected to the register organisation page.	pre-condition: LP-8 <ol style="list-style-type: none"> 1. Click the "Register Here" link. 	None	User should successfully access the register organisation page.	User successfully accessed the register organisation page.	pass
	SU-5	Check that the "Log in here" link works properly and the user is redirected to the login page.	pre-condition: LP-8 <ol style="list-style-type: none"> 1. Click the "Log in here" link. 	None	User should successfully access the login page.	User successfully accessed the login page.	pass
	SU-6	Check the email verification function.	SU-3	first name = "lili" last name = "wong" email = shixy0701@gmail.com password = 1111	The provided email will receive a confirmation email about manager sign-up.	The email shixy0701@gmail.com received a confirmation email about manager sign-up.	pass

				confirm password = 1111			
				group = Victoria Volunteer			
Reset Password	RP-1	Check if the user can successfully reset the password to the newly entered new password and log in successfully.	pre-condition: LP-7 1. Enter email 2. Enter new password 3. Confirm new password	Email = gvijun@gmail.com New password = qww	User should successfully reset the password and access the dashboard page.	User successfully reset the password and access the dashboard page.	pass
	RP-2	Check the "Next" button is valid.	pre-condition: LP-7 1. Click on "Next" button.	None	Redirect to the next page.	Redirect to the next page.	pass
	RP-3	Check the "Cancel" button is valid.	pre-condition: LP-7 1. Click on "Cancel" button.	None	Redirect to the Login page.	Redirect to the Login page.	pass
Navigation Bar	WN B-1	Check the item of "Data Review" is valid.	1. Click the item of "Data Review"	None	Redirect to Data Review Page.	Redirect to Data Review Page.	pass
	WN B-2	Check the item of "Reminder List" is valid.	1. Click the item of "Reminder List"	None	Redirect to Reminder List Page.	Redirect to Reminder List Page.	pass
	WN B-3	Check the item of "Settings" is valid.	1. Click the item of "Settings"	None	Redirect to Settings Page.	Redirect to Settings Page.	pass
	WN B-4	Check the item of "Admin Management" is valid.	1. Click the item of "Admin Management"	None	Redirect to Admin Management Page.	Redirect to Admin Management Page.	pass
	WN B-5	Check the item of "Survey Management" is valid.	1. Click the item of "Survey Management"	None	Redirect to Survey Management Page.	Redirect to Survey Management Page.	pass
Settings	WS-1	Check the user can change password through "Change Password" function in settings page.	pre-condition: WNB-3 1. Click on "Change Password" button. 2. Enter old password. 3. Enter new password. 4. confirm new password. 5. click "Submit" button.	Old password = New password =	The user successfully changes the password and can log in to the dashboard page	The user successfully changes the password and logged in to the dashboard page with the new password.	pass

				confirm password =	with the new password.		
	WS-2	Check the "Change Password" button is valid.	pre-condition: WNB-3 1. Click on "Change Password" button.	None	Redirect to change password page.	Redirect to change password page.	pass
	WS-3	Check the user can log out by clicking "Log out" button in settings page and return to login page.	pre-condition: WNB-3 1. Click on "Log out" button.	None	The user successfully logs out and returns to the login page.	The user successfully logs out and returns to the login page.	pass
	WS-4	Check the user can change their name through edit profile function.	pre-condition: WNB-3 1. Click on "Edit" button. 2. Enter first name. 3. Enter last name. 4. Click on "Submit" button.	First name = Cecilia Last name = Shi	The user can successfully change their user name, and it will be displayed as "Hello, new user name" on the dashboard page.	"Hello, Cecilia Shi" successfully displayed on the dashboard page.	pass
Admin Management	AM-1	Check that the admin can see all of the manager sign up request and approve the manager sign up request by clicking the checkmark icon.	pre-condition: WNB-4 1. Choose a request. 2. Clicking the checkmark icon. 3. Clicking on the "Confirm" button.	None	The manager whose request has been approved will receive a confirmation email regarding the successful request, and on the admin management page, the request will be removed from the request list.	The applicant received the email confirming the success of their request and the request is removed from the request list on admin management page.	pass
	AM-2	Check that the admin can see all of the manager sign up request and disapprove the manager	pre-condition: WNB-4 1. Choose a request. 2. Clicking the cross icon. 3. Clicking on the "Confirm" button.	None	The manager whose request has been approved will receive a confirmation email regarding	The applicant received the email confirming the insuccess of their request and the request is removed from the request list on admin	pass

		sign up request by clicking the cross icon.			the unsuccessful request, and on the admin management page, the request will be removed from the request list.	management page.	
	AM-3	Check that the request list can be sorted by first name.	pre-condition: WNB-4 1. Click the dropdown box. 2. Choose First Name item.	None	The request list will be sorted by first name.	Display the request list sorted by first name.	pass
	AM-4	Check that the request list can be sorted by last name.	pre-condition: WNB-4 1. Click the dropdown box. 2. Choose Last Name item.	None	The request list will be sorted by last name.	Display the request list sorted by last name.	pass
	AM-5	Check that the request list can be sorted by group.	pre-condition: WNB-4 1. Click the dropdown box. 2. Choose Group item.	None	The request list will be sorted by group.	Display the request list sorted by group.	pass
	AM-6	Check the function of adding new group.	pre-condition: WNB-4 1. Click on the "Add New Group" button. 2. Enter new group name. 3. Click on "Save" button.	None	The new group name should display on the group list.	The new group name displayed on the group list.	pass
	AM-7	Check the function of deleting the exist group.	pre-condition: WNB-4 1. Click on the "Add New Group" button. 2. Click on "-" icon.	None	The selected group should be deleted.	The selected group has been deleted.	pass
Manage Survey	MS-1	Check that the 'Add New Survey Question' function allows the admin to create a new survey question by selecting a topic, specifying the question type, and entering the	pre-condition: WNB-5 1. Click on "Add New Survey Question" button. 2. Click on any question topic icon. 3. Click on "Next" button. 4. Click on any question type icon. 5. Click on "Next" button. 6. Enter question description. 7. Click on "Submit" button.	1. Click on the WeConnect App. 2. The new question should display on survey page.	Open the WeConnect App. The new question should display on survey page.	The new added question displayed on the survey section in Ap	pass

		question text		3.			
	MS-2	Check that the "Edit Exist Survey Question" function allows the admin to see the list of all existed survey questions.	pre-condition: WNB-5 1. Click on "Edit Survey Question" button.	None	Display all exist questions on page.	Display all exist questions on page.	pass
	MS-3	Check that the "Edit Exist Survey Question" function allows the admin to delete exist question by clicking on the button.	pre-condition: WNB-5 1. Click on "Edit Survey Question" button. 2. select a question. 3. Click on "delete" icon. 4. Click on "confirm" button.	None	The question should be deleted.	The question has been deleted.	pass
Data Review and Analysis	DR A-1	Check manager/admin can view the indicator data through a summary (graphs)	pre-condition: WNB-1 1. Click on "summary" button.	None	The data will be visualized in graphical form.	The data was visualized in graphical form.	pass
	DR A-2	Check manager/admin can view the indicator data	pre-condition: WNB-1 1. Click on "question" button.	None	Each question field displays information about the	Each question field displays information about the person who answered that question.	pass

		through question.			person who answered that question.		
	DR A-3	Check the filter data by year function is valid.	pre-condition: WNB-1 1. Click on "Year" dropdown box. 2. choose 2023	None	The data review page will only display data in 2023.	The data review page has displayed data in 2023.	pass
	DR A-4	Check the filter data by organisation function is valid.	pre-condition: WNB-1, LP-1 1. Click on "Organisation" dropdown box. 2. Choose victoria volunteer.	None	The data review page will only display data of victoria volunteer.	The data review page has displayed data of victoria volunteer.	pass
	DR A-5	Check the admin can delete the selected survey data.	pre-condition: WNB-1, LP-1 1. Choose the data . 2. Click on delete icon.	None	The selected data will be deleted.	The selected data has been deleted.	pass
Reminder and notification system	RN-1	Check that the reminder list can be sorted by last name.	pre-condition: WNB-2 1. Click on sort dropdown. 2. Choose Last Name.	None	The reminder list should be sorted by last name.	The reminder list has been sorted by last name.	pass
	RN-2	Check that the reminder list can be sorted by first name.	pre-condition: WNB-2 1. Click on sort dropdown. 2. Choose First Name.	None	The reminder list should be sorted by first name.	The reminder list has been sorted by first name.	pass
	RN-3	Check that the reminder list can be sorted by over due day.	pre-condition: WNB-2 1. Click on sort dropdown. 2. Choose Overdue Day.	None	The reminder list should be sorted by overdue day.	The reminder list has been sorted by overdue day.	pass
	RN-4	Check the search function that enables the manager to find information by searching for an email.	pre-condition: WNB-2 1. Enter email	Email = 11145678@gmail.com	If the data exists, the page should display the searched information.	The page displayed the searched information.	pass
	RN-5	Check the "delete" function that enable the manager to delete some volunteers.	pre-condition: WNB-2 1. Choose a information. 2. Click on the delete button.	None	Selected information should be deleted.	Selected information has been deleted.	pass

- User Interface Test Cases

Module	Test Cases ID	Test Cases Description	Test Steps	Test Data	Expected Result	Actual Result	Status(Pass/ Fail)
Login Page	UILP-1	Verify the spelling is correct.	1. Open WeConnect Admin Management website.	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass
	UILP-2	Verify that all the text, color, and images on the Login Page are displaying correctly.	1. Open WeConnect Admin Management website.	None	All text, background s, colors, and images are displaying as expected.	All text, background s, colors, and images are displaying as expected.	pass
	UILP-3	Verify that the password field is hidden and the characters typed in it are masked.	1. Open WeConnect Admin Management website. 2. Enter Password.	Password = 0000	The input in the password field should be displayed as dots.	The input in the password field was displayed as dots.	pass
Sign Up	UISU-1	Verify the spelling is correct.	1. Open WeConnect Admin Management website. 2. Click "sign up here" link.	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass
	UISU-2	Verify that all the text, color, and images on the Sign up Page are displaying correctly.	1. Open WeConnect Admin Management website. 2. Click "sign up here" link.	None	All text, background s, colors, and images are displaying as expected.	All text, background s, colors, and images are displaying as expected.	pass
	UISU-3	Verify that the dropdown box with the options is aligned properly.	1. Open WeConnect Admin Management website. 2. Click "sign up here" link.	None	The dropdown box with the options should render correctly.	The dropdown box with the options render correctly.	pass
Navigation Bar	UIWNB-1	Verify the spelling is correct.	LP-1	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass

	UIWNB-2	Verify that when clicking on an item in the navigation bar, the color of that section changes RED to indicate it has been clicked.	LP-1	1. Click the item on the navigation bar.	The selected menu item changes its color upon clicking.	The selected menu item changed its color upon clicking.	pass
	UILWN B-3	Verify that all the text, color, and images on the navigation bar are displaying correctly.	LP-1	1. Click the icon of menu	All text, background s, colors, and images are displaying as expected.	All text, background s, colors, and images are displaying as expected.	pass
Admin Management	UIAM-1	Verify that all the text, color, and images on the navigation bar are displaying correctly.	WNB-4	None	All text, background s, colors, and images are displaying as expected.	All text, background s, colors, and images are displaying as expected.	pass
Reminder and notification system	UIRA-1	Verify the spelling is correct.	WNB-2	None	All the text on the page is spelled correctly.	All the text on the page is spelled correctly.	pass
	UIRA-2	Verify the display of a list of volunteers who need to complete the second surveys."	WNB-2	None	All text, background s, colors, and images are displaying as expected.	All text, background s, colors, and images are displaying as expected.	pass

- API Test Cases

Module	Test Cases ID	Test Cases Description	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)
API	TC-1	Verify the API is up and running.	1. Send a GET request to the API endpoint for a health check	API returns a 200 OK response with a success message or status.	API return 200	pass
	TC-2	Verify the invalid request handling.	1. enter invalid request or missing parameters	The API should return an appropriate error status code and an error message.		

	TC-3	To verify the API behavior when invalid authentication credentials are provided.	1. Send a request to the API with invalid authentication credentials.	API returns a 401 Unauthorized response with an appropriate error message.	API return 401	pass
	TC-4	Verify Response Time	<ol style="list-style-type: none"> 1. Send an API request. 2. Record the start timestamp of the request. 3. Receive the response. 4. Record the end timestamp of the response. 5. Calculate the response time (end timestamp minus start timestamp). 	The response time should be within 2s, and the API should not experience significant delays.		
	TC-5	Verify PUT/POST/PATCH Request.	1. Request data for resource update.	The API should update the resource and return a 200 or 204 status code.	API return 200	pass
	TC-6	Verify DELETE Request.	1. Send a DELETE request to the API endpoint, specifying the resource or record you want to delete.	The API should delete the resource and return a 200 or 204 status code.	API return 200	pass

Architecture

Framework Design

- Front-end Framework

Option 1	Option 2
React	Vue
Description	Description
React makes it easy to create componentized user interfaces. For questionnaires with many repetitive pages, the componentized features of React allow us to create and manage these pages more efficiently. React also has a large community and a wealth of third-party libraries, which makes development more convenient. And React Native, based on React, can synchronize the development of apps well.	Vue.js is also a good front-end framework, providing a simpler and easier-to-use API. Compared to React, Vue has a smoother learning curve, especially suitable for small to medium-sized projects. If it is purely for web development, then Vue.js is a better choice, but vue.js is not convenient for app development. Vue.js is mainly used for building web applications. If you want to use Vue.js to build an app, you need to combine it with NativeScript or Weex, and these are not officially supported, and there may be some tricky problems in the development process that are difficult to solve.
Final decision	
Considering all aspects, choosing React as the front-end framework is a better choice. It facilitates the synchronized development of apps and web.	

- Back-end Framework

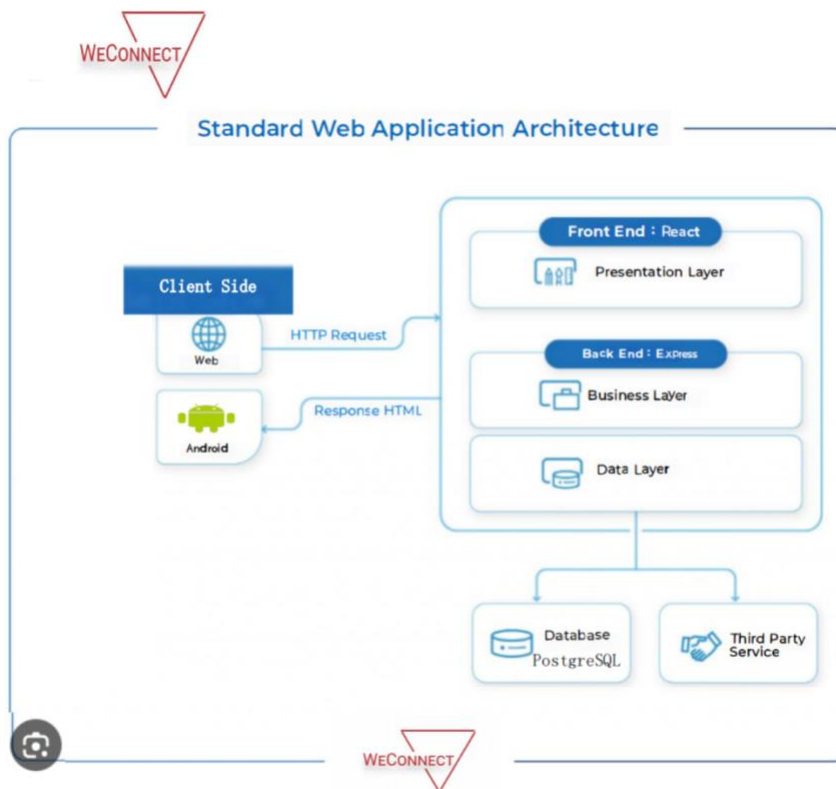
Option 1	Option 2	Option 3
Django	Express	Spring Boot
Description	Whys	Whys
Django comes with a convenient ORM system, making database operations very simple. The admin interface of Django can help quickly build a backend management system.	Express.js is a lightweight framework that can also easily add functions such as authentication, logging, etc. However, compared to Django, it may require more learning, configuration, and setup.	Spring Boot provides a comprehensive solution, including data access, security, etc. It uses a compiled language, which can provide very high execution speed, but the complexity is the highest, and learning and application are more difficult.
Final decision		
Considering all aspects, although Django should be able to provide higher database operation and setting efficiency, it uses the Python language. Although Express.js is relatively more complex, it can also meet the requirements, and the language used by Express.js is based on JavaScript, which can ensure the consistency of the front and back end languages and enhance the efficiency of team cooperation.		

- Database Framework

Option 1	Option 2	Option 3
MongoDB	MySQL	PostgreSQL
Whys	Whys	Whys
MongoDB is a NoSQL database, which means it does not rely on a traditional table-based relational database structure. Instead, it uses JSON-like documents with optional schemas. This makes MongoDB very flexible and adaptable to real-world situations where data structures can change. MongoDB also provides strong support for JSON data, allowing us to store, index, and query JSON data easily. This is particularly useful for applications	MySQL is one of the most popular and widely used relational databases in the world. It is developed and maintained by Oracle Corporation. MySQL supports JSON, its support is not as advanced or efficient as in some other databases like PostgreSQL. MySQL stores JSON data as text, and we need to use JSON functions to manipulate the data. This can be	PostgreSQL is more suitable for handling complex queries and large amounts of data. PostgreSQL is usually more suitable for handling complex queries and large amounts of data. PostgreSQL provides strong JSON support, allowing us to store, index, and query JSON data.

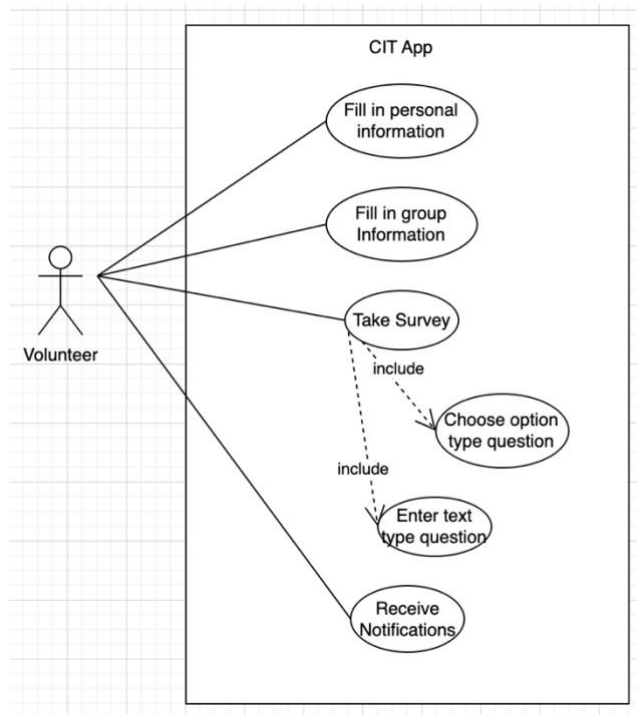
that work with JSON data, as it allows for more natural data storage and retrieval. However, MongoDB is not free and may be expensive.	less efficient than using a database that has native JSON support.	
Final decision		
PostgreSQL provides more powerful JSON support. For example, PostgreSQL allows you to create indexes of the JSONB data type, which can significantly speed up the query of JSON data. Although MySQL can also create indexes of JSON data, it must specify the keys of the JSON object and cannot directly create indexes for the entire JSON object. Moreover, it is basically free, compared to MongoDB, which may charge high fees, choosing PostgreSQL is the best choice.		

Architecture Diagram

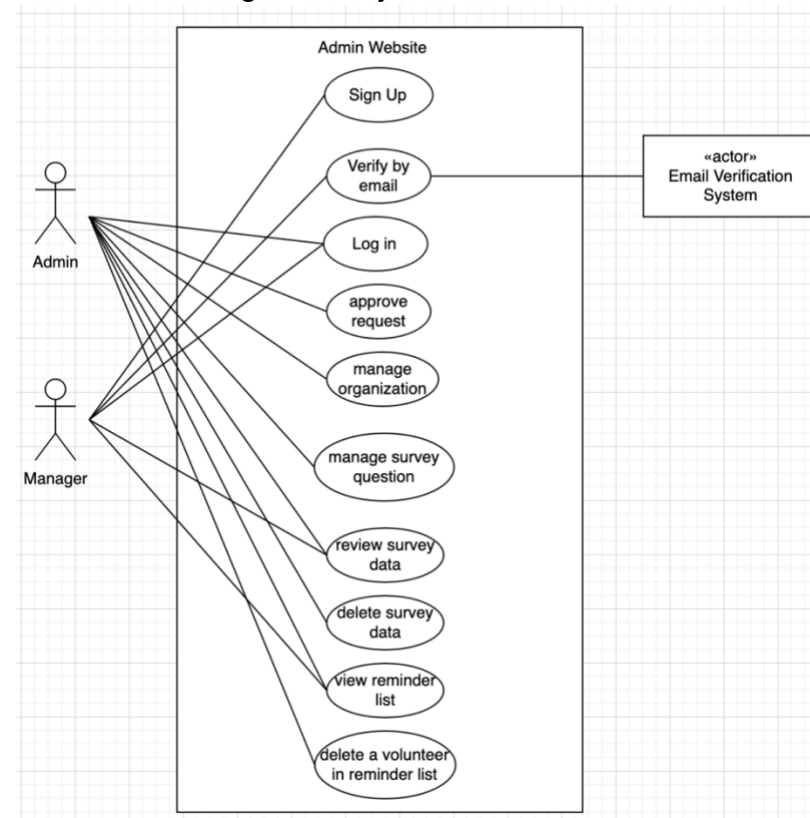


User Case Diagram

- WeConnect Application

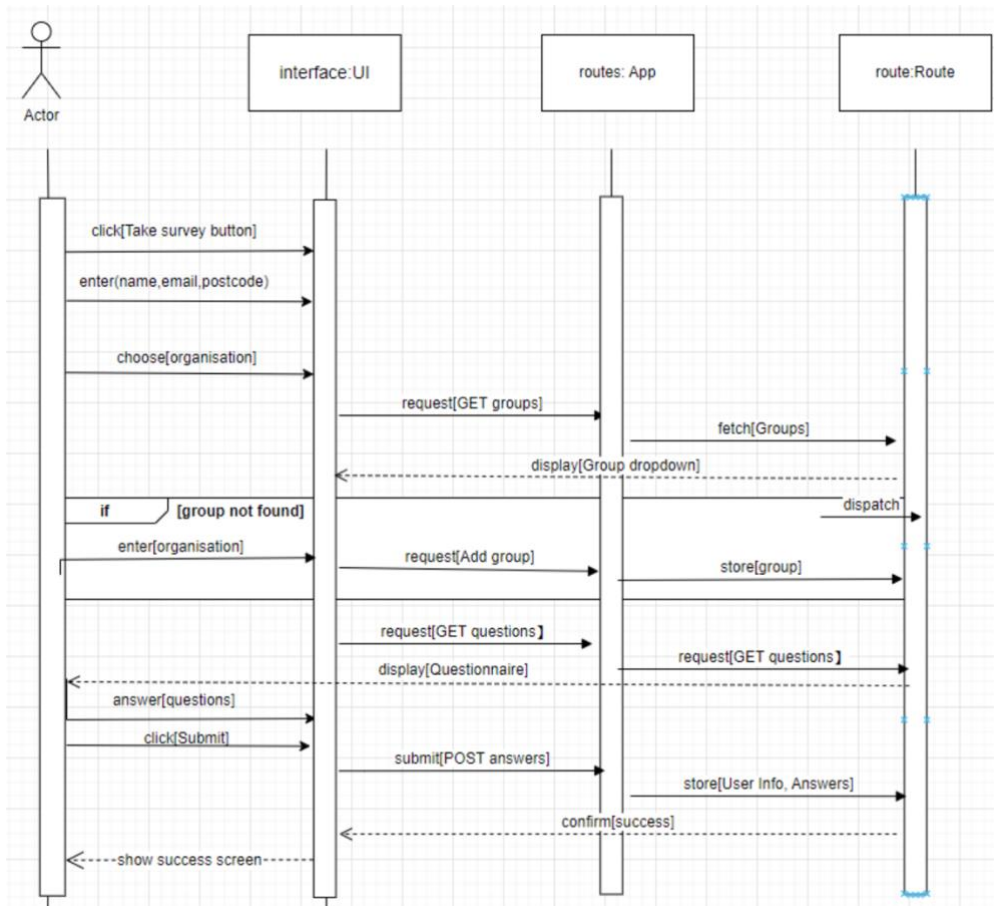


- Admin Management System

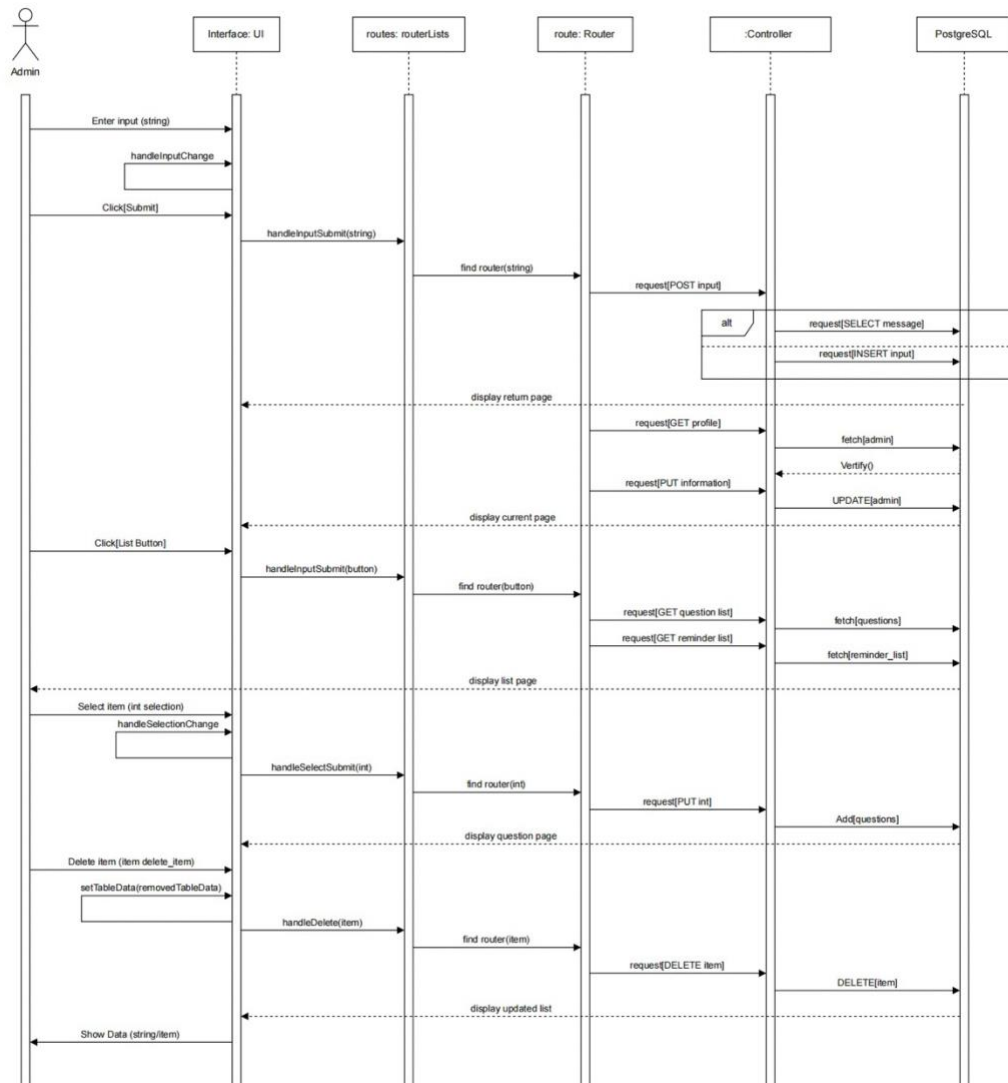


Sequence Diagram

- WeConnect Application



- Admin Management System



Database Model

