



System Test Report

Project name: Food Distribution Network

Team name: Team Vinculum

Product Owner

Michael Bell

Team Members

Lee Xiong

Sam Lam

Andrew Nguyen

Raven Cunanan

Cody Milne

Date: 12/03/2022

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Automated Selenium Testing

1. Testing Invalid and Valid Address inputs

1.1. Brief Description of Test

Using a Google Chrome driver, Selenium will open up the website and input invalid addresses into the fields.

1.2. Expected Behavior

For each invalid input, a red text appears below the calculate button prompting the user for valid information. Once all the inputs are valid, the map result will display the route from the starting address to the destinations after calculation.

1.3. Tester Name

Lee Xiong

1.4. Date Tested

12/2/2022

1.5. Results

1234

1234

Input the time when the food was made. --:-- -- 🕒

Add Waypoint

List Waypoints

Calculate

Please enter a valid destination address

Please enter a set time for this address

1234

Sacramento Zoo, West Land Park Drive, Sacramento, CA, USA

Input the time when the food was made. --:-- -- 🕒

Add Waypoint

List Waypoints

Calculate

Please enter a set time for this address

1234

Sacramento Zoo, West Land Park Drive, Sacramento, CA, USA

Input the time when the food was made. 12:34 PM

Add Waypoint

List Waypoints

Calculate

Please fill out all the forms correctly.

Sacramento State, Jed Smith Dr, Sacramento, CA, USA

Sacramento Zoo, West Land Park Drive, Sacramento, CA, USA

Input the time when the food was made. 12:34 PM

Add Waypoint

List Waypoints

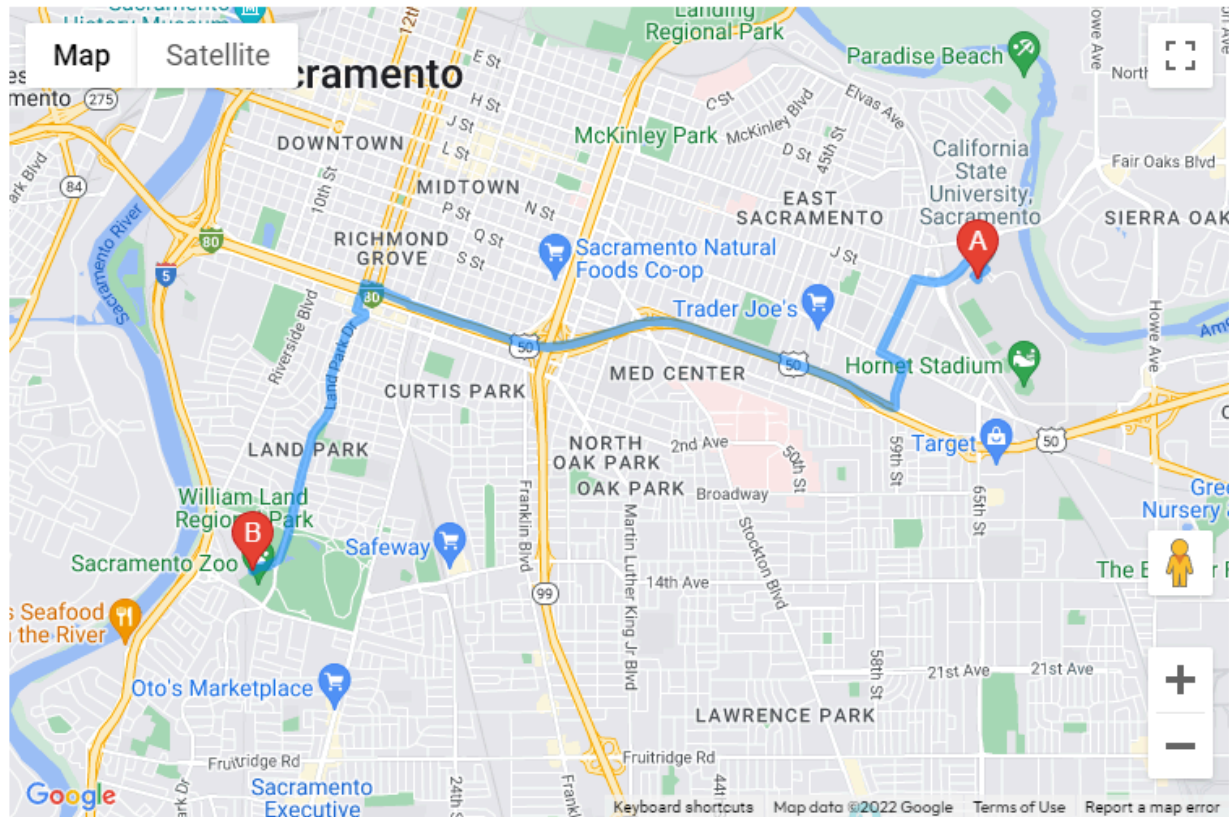
Calculate

From: Sacramento State, Jed Smith Dr, Sacramento, CA, USA.

To: 3930 W Land Park Dr, Sacramento, CA 95822, USA.

Driving distance: 6.63 miles.

Duration: 16 minutes.



1.5.1. Test Passed

2. Testing Multiple Valid Address inputs

2.1. Brief Description of Test

Using a Google Chrome driver, Selenium will open up the website and input a starting address and four destinations. The destinations consist of Sacramento International Airport, Sacramento Zoo, Sacramento Executive Airport, and Sacramento South DMV.

2.2. Expected Behavior

Google Maps should create a route from the starting destination to all the other destinations.

2.3. Tester Name

Lee Xiong

2.4. Date Tested

12/2/2022

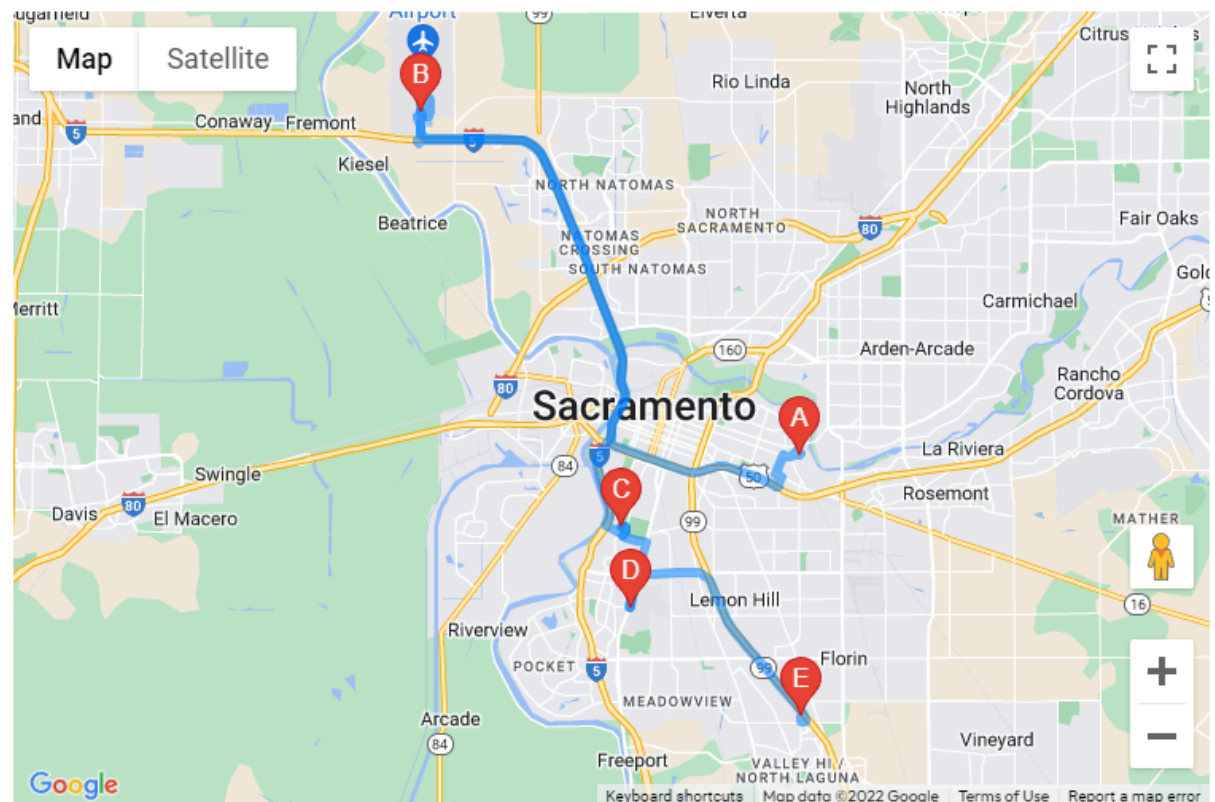
2.5. Results

From: Sacramento State, Jed Smith Dr, Sacramento, CA, USA.

To: 7775 La Mancha Way, Sacramento, CA 95823, USA.

Driving distance: 40.79 miles.

Duration: 61 minutes.



2.5.1. Test Passed

3. Test List Waypoints, Save, and Delete Buttons

3.1. Brief Description of Test

Selenium will test to see if each of these buttons works.

3.2. Expected Behavior

The list waypoints button will display all the waypoints with the delete and save buttons next to them. The save button will save the location of the waypoint onto the database for future use. The delete button will delete all the information pertaining to that specific waypoint.

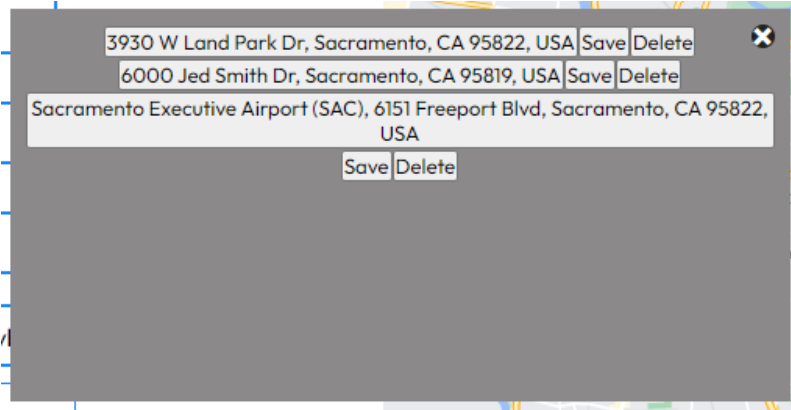
3.3. Tester Name

Lee Xiong

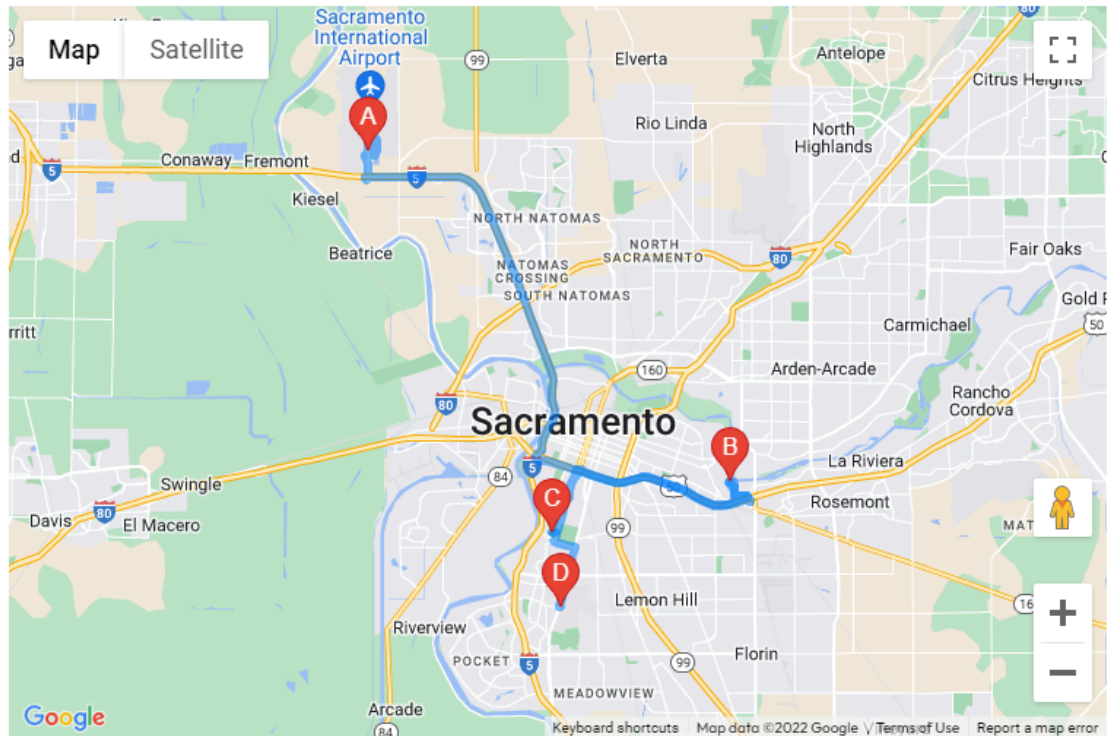
3.4. Date Tested

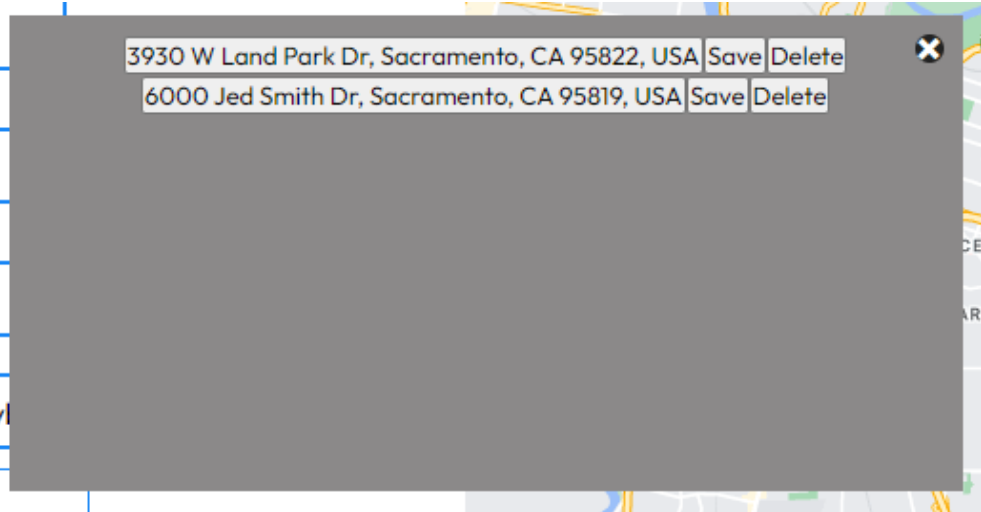
12/3/2022

3.5. Results

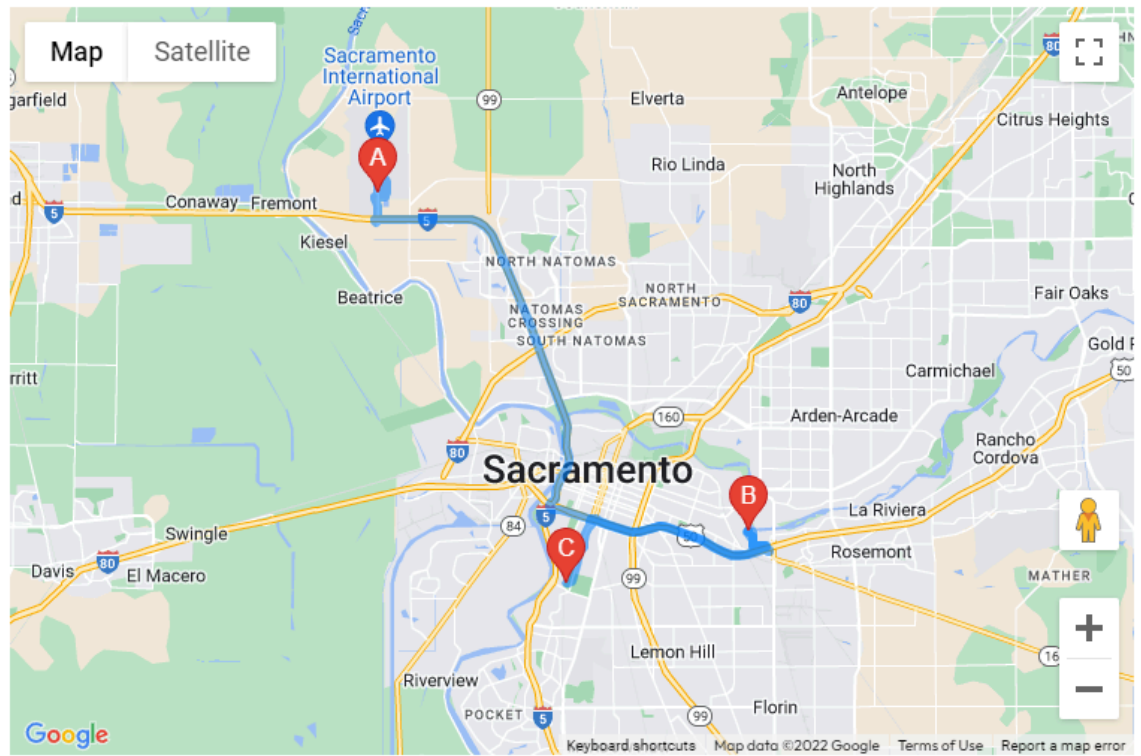


From: Sacramento International Airport (SMF), Airport Boulevard, Sacramento, CA, USA.
To: Sacramento Executive Airport (SAC), 6151 Freeport Blvd, Sacramento, CA 95822, USA.
Driving distance: 28.88 miles.
Duration: 48 minutes.





From: Sacramento International Airport (SMF), Airport Boulevard, Sacramento, CA, USA.
To: 3930 W Land Park Dr, Sacramento, CA 95822, USA.
Driving distance: 26.36 miles.
Duration: 40 minutes.



3.5.1. List Waypoints Button Passed Testing, Delete Button Passed Testing

3.5.2. Save Button (Did Not Pass Testing)

4. Import Values from CSV and XLSX Files

4.1. Brief Description of Test

Test will fill inputs with values taken from either a CSV or XLSX file.

4.2. Expected Behavior

The values from the CSV or XLSX should be read and filled into the input fields.

4.3. Tester Name

Lee Xiong

4.4. Date Tested

12/3/2022

4.5. Results

Or input a .csv/.xlsx

Choose File example.csv

Submit File

example - Notepad

File Edit Format View Help

```
Address,FoodGroup,FoodType,SetTime,Meridian,Perishable,SpoilDate,Quantity,Value,Milk,Eggs,TreeNuts,Peanuts,Shellfish,Wheat,Soybeans
Sacramento Zoo,Protein,Beef,02:00,PM,TRUE,11/16/2022,40,7.5,TRUE,FALSE,FALSE,FALSE,FALSE,FALSE,FALSE
Sacramento International Airport (SMF),Protein,Salmon,4:31,PM,TRUE,11/17/2022,20,9.32,FALSE,FALSE,FALSE,FALSE,FALSE,FALSE,FALSE
6000 J ST,Dairy,Cheese,01:00,PM,TRUE,11/18/2022,10,3.4,TRUE,FALSE,FALSE,FALSE,FALSE,FALSE,FALSE
Golden 1 Center,Grains,Cereal,03:21,PM,FALSE,11/19/2022,15,4.43,FALSE,FALSE,FALSE,FALSE,FALSE,TRUE,FALSE
```

▼ (4) [{"..."}, {"..."}, {"..."}, {"..."}] ⓘ

▼ 0:

```
Address: "Sacramento Zoo"
Eggs: false
FoodGroup: "Protein"
FoodType: "Beef"
Meridian: "PM"
Milk: true
Peanuts: false
Perishable: true
Quantity: 40
SetTime: "02:00"
Shellfish: false
Soybeans: false
▶ SpoilDate: Wed Nov 16 2022 00:00:00 GMT-0800 (Pacific Standard Time) {}
TreeNuts: false
Value: 7.5
Wheat: false
__rowNum__: 1
▶ [[Prototype]]: Object
```

▼ 1:

```
Address: "Sacramento International Airport (SMF)"
Eggs: false
FoodGroup: "Protein"
FoodType: "Salmon"
Meridian: "PM"
Milk: false
Peanuts: false
Perishable: true
Quantity: 20
SetTime: "4:31"
Shellfish: false
Soybeans: false
▶ SpoilDate: Thu Nov 17 2022 00:00:00 GMT-0800 (Pacific Standard Time) {}
TreeNuts: false
Value: 9.32
Wheat: false
__rowNum__: 2
▶ [[Prototype]]: Object
```

▶ 2: {Address: '6000 J ST', FoodGroup: 'Dairy', FoodType: 'Cheese', SetTime: '01:00', Meridian: 'PM', ...}

▶ 3: {Address: 'Golden 1 Center', FoodGroup: 'Grains', FoodType: 'Cereal', SetTime: '03:21', Meridian: 'PM', ...}

4.5.1. Read CSV Passed Testing

4.5.2. Read Excel (Did not Pass Testing)

5. Testing Valid and Invalid Food Variable Inputs

5.1. Brief Description of Test

Using a Google Chrome driver, Selenium will open up the website and input invalid inputs into the fields.

5.2. Expected Behavior

For each invalid input, red text will appear prompting the user for valid information. Once all inputs are valid, they will be submitted into the database

5.3. Tester Name:

Food Type

1234

Food Group

1234

Perishable

Perishable

Spoil Date

mm/dd/yyyy

Food Quantity in lbs

Market Value

Allergens:

Milk Eggs Tree Nuts Peanuts Fish Shellfish Wheat Soybeans

Submit

Reset

Insert Valid Inputs: Invalid Food Type, Invalid Food Group, Enter a Spoil Date, Enter Quantity, Enter Value

Raven Cunanan

5.4. Date Tested:

12/3/2022

5.5. Results

Food Type

Carrots

Food Group

1234

Perishable

Perishable

Spoil Date

mm/dd/yyyy

Food Quantity in lbs

Market Value

Allergens:

Milk Eggs Tree Nuts Peanuts Fish Shellfish Wheat Soybeans

Submit

Reset

Insert Valid Inputs: Invalid Food Group, Enter a Spoil Date, Enter Quantity, Enter Value

Food Type

Carrots

Food Group

Vegetables

Perishable

Perishable

Spoil Date

mm/dd/yyyy

Food Quantity in lbs

Market Value

Allergens:

Milk Eggs Tree Nuts Peanuts Fish Shellfish Wheat Soybeans

Submit

Reset

Insert Valid Inputs: Enter a Spoil Date, Enter Quantity, Enter Value

Food Type

Carrots

Food Group

Vegetables

Perishable

Perishable

Spoil Date

12/12/2022

Food Quantity in lbs

|

Market Value

Allergens:

Milk Eggs Tree Nuts Peanuts Fish Shellfish Wheat Soybeans

Submit

Reset

Insert Valid Inputs: Enter Quantity, Enter Value

Food Type

Carrots

Food Group

Vegetables

Perishable

Perishable

Spoil Date

12/12/2022

Food Quantity in lbs

10

Market Value

Allergens:

Milk Eggs Tree Nuts Peanuts Fish Shellfish Wheat Soybeans

Submit

Reset

Insert Valid Inputs: Enter Value

Food Type

Carrots

Food Group

Vegetables

Perishable

Perishable 

Spoil Date

12/12/2022 

Food Quantity in lbs

10

Market Value

5

Allergens:

Milk Eggs Tree Nuts Peanuts Fish Shellfish Wheat Soybeans

5.5.1. Test Passed

6. Login Validations

6.1. Brief Description of Test

Using a Google Chrome driver, Selenium will open up the website and input invalid inputs into the fields.

6.2. Valid Test Inputs

Entering valid inputs should not display any errors. If no errors are shown, login button will login to your account

6.3. In-Valid Test Inputs

Inputting invalid fields should trigger an error and prompt the user what error will be shown on the form. If everything is entered correctly then no error will be prompted

6.4. Test Name

Sam Lam

6.5. Date Tested:

12/3/2022

6.6. Results

Login



Enter a valid email address



Password can't be blank

[Forgot password?](#)

Login

Not yet register? [Signup now](#)

Login





[Forgot password?](#)



Login

Not yet register? [Signup now](#)

Login

Email can't be blank

Password can't be blank

[Forgot password?](#)

Not yet register? [Signup now](#)

- 6.6.1. **Test Passed**
- 7. **Registration Validations**
 - 7.1. **Brief Description of Test**

Using a Google Chrome driver, Selenium will open up the website and input invalid inputs into the fields.
 - 7.2. **Valid Test Inputs**

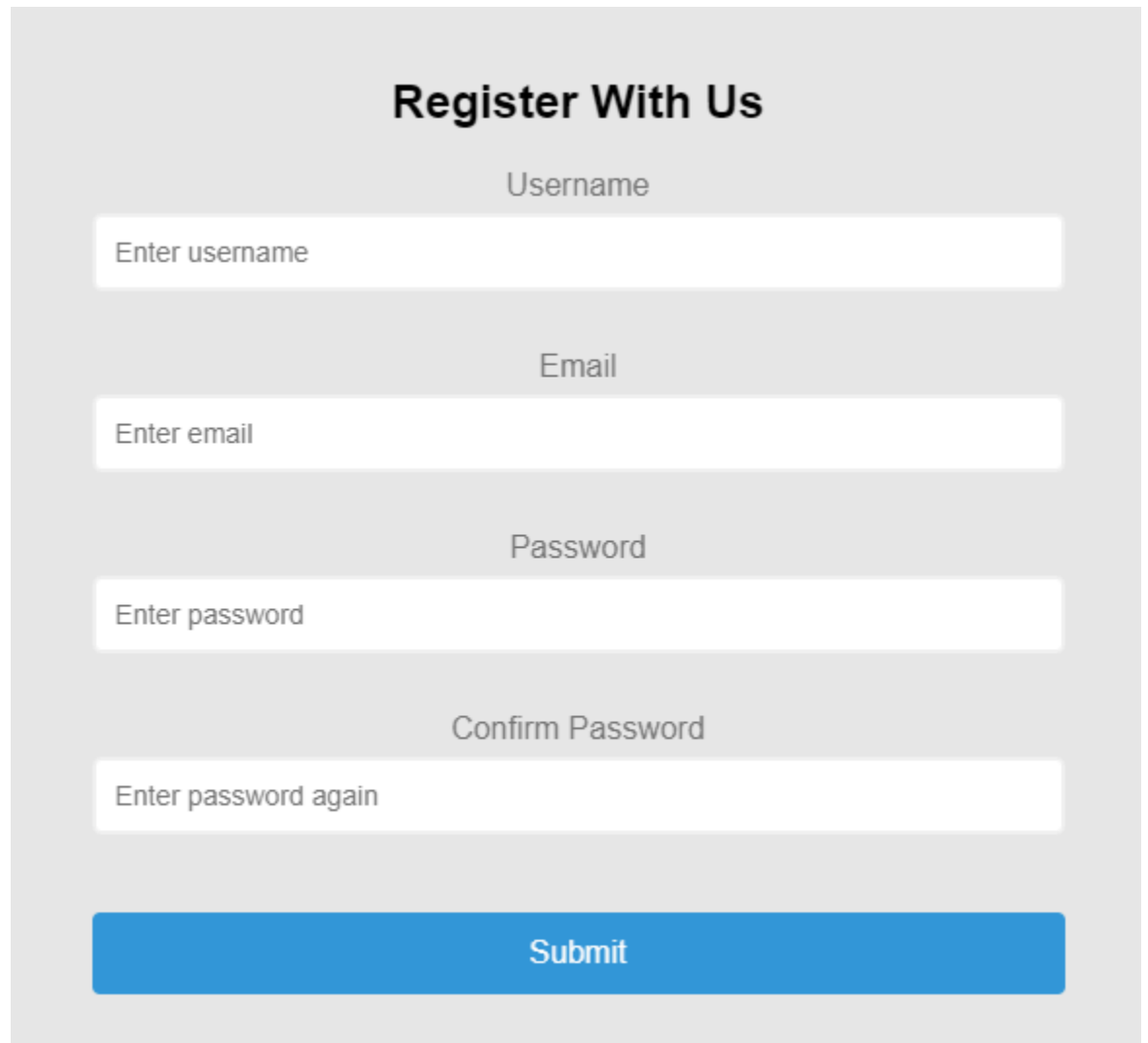
Entering valid inputs should not display any errors, if no errors are shown submit button will register an account
 - 7.3. **In-Valid Test Inputs**

Inputting invalid fields should trigger an error and prompt the user what error will be shown on the form. If everything is entered correctly then no error will be prompted
 - 7.4. **Test Name**

Sam Lam
 - 7.5. **Date Tested:**

12/3/2022

7.6. Results



Register With Us

Username

Email

Password

Confirm Password

Submit

The image shows a registration form titled "Register With Us" on a light gray background. It contains four text input fields: "Enter username", "Enter email", "Enter password", and "Enter password again". Each field is preceded by its respective label: "Username", "Email", "Password", and "Confirm Password". At the bottom of the form is a blue "Submit" button.

Register With Us

Username

Username must be at least 3 characters

Email

Email is not valid

Password

Password must be at least 6 characters

Confirm Password

Confirm password is required

Register With Us

Username

Email

Email is not valid

Password

Password must be at least 6 characters

Confirm Password

Register With Us

Username

Email

Password

Confirm Password

Passwords do not match

Register With Us

Username

Email

Password

Confirm Password

7.6.1. Test Passed

8. Database Table Entry

8.1. Valid Test Inputs:

user_info table insert data

```
1 INSERT INTO `user_info` (`id`, `user_email`, `user_password`, `user_fname`, `user_lname`, `user_created`, `is_active`, `current_session`) VALUES ('01', 'fake_account@foutlook.com', 'pasaworda', 'Johnny', 'Appleseed', '2022-11-01 21:08:53', 'yes', '01');
```

8.2. In-Valid Test Inputs:

To test error handling/recovery

Column	Type	Function	Null	Value	
id	int(11)	<input type="text"/>	<input type="checkbox"/>	az	Please enter a value greater than or equal to -2147483648
user_email	varchar(45)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	
user_password	varchar(32)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	
user_fname	varchar(45)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	
user_lname	varchar(45)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	
user_created	datetime	<input type="text"/>	<input type="checkbox"/>	a	Appleseed
is_active	varchar(45)	<input type="text"/>	<input type="checkbox"/>	!	
current_session	int(11)	<input type="text"/>	<input type="checkbox"/>	z	Please enter a value greater than or equal to -2147483648

8.3. Tester Name:

Cody

8.4. Date Tested:

12/03

8.5. Results:

Invalid inputs excluded, Table updated correctly

	id	user_email	user_password	user_fname	user_lname	user_created	is_active	current_session
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	fake_account@foutlook.com	pasaworda	Johnny	Appleseed	2022-11-01 21:08:53	yes	1

8.6. Did it pass?

Yes

8.7. Valid Test Inputs:

saved_addresses table insert date

```
1 INSERT INTO `saved_addresses` (`user_address_id`, `address_line_1`, `address_line_2`, `city`, `state`, `zipcode`, `county`, `user_id`) VALUES ('01', '123 Fake St. ', NULL, 'Nowhere', 'Alamahbra', '98765', 'SacraCisco', '1');
```

8.8. In-Valid Test Inputs:

To test error handling/recovery

Column	Type	Function	Null	Value
user_address_id	int(11)	<input type="text"/>		a Please enter a value greater than or equal to -2147483648
address_line_1	varchar(45)	<input type="text"/>		<input type="text"/>
address_line_2	varchar(45)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>
city	varchar(45)	<input type="text"/>		<input type="text"/>
state	varchar(45)	<input type="text"/>		<input type="text"/>
zipcode	int(5)	<input type="text"/>		a Please enter a value greater than or equal to -2147483648
county	varchar(45)	<input type="text"/>		<input type="text"/>
user_id	int(11)	<input type="text"/>		<input type="text"/>

8.9. Tester Name:
Cody

8.10. Date Tested:
12/03

8.11. Results:
Invalid inputs excluded, Table updated correctly, Foreign key cascade update succeeded

	user_address_id	address_line_1	address_line_2	city	state	zipcode	county	user_id
<input type="checkbox"/> <input type="button" value="Edit"/> <input type="button" value="Copy"/> <input type="button" value="Delete"/>	1	123 Fake St.	NULL	Nowhere	Alamahbra	98765	SacraCisco	1

8.12. Did it pass?
Yes

8.13. Valid Test Inputs:
donation table insert date

```
1 INSERT INTO `donation` (`donation_id`, `donation_time_stamp`, `donation_type`, `donation_quantity`, `donation_temp`) VALUES ('01', '2022-11-01 20:55:50', 'packaged', '37', '84');
```

8.14. In-Valid Test Inputs:
To test error handling/recovery

Column	Type	Function	Null	Value
donation_id	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
donation_time_stamp	datetime	<input type="text"/>	<input type="checkbox"/>	a
donation_type	varchar(45)	<input type="text"/>	<input checked="" type="checkbox"/>	
donation_quantity	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
donation_temp	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>

8.15. Tester Name:
Cody

8.16. Date Tested:
12/03

8.17. Results:
Invalid inputs excluded, Table updated correctly, Foreign key cascade update succeeded

	donation_id	donation_time_stamp	donation_type	donation_quantity	donation_temp
<input type="checkbox"/> Edit Copy Delete	1	2022-11-01 20:55:50	packaged	37	84

8.18. Did it pass?
Yes

8.19. Valid Test Inputs:
session_details table insert date

```
1 INSERT INTO `session_details` (`id`, `session_id`, `allergens`, `car_id`, `donation_id`) VALUES ('01', '01', 'Peanuts, Dairy', '123', '01');
```

8.20. In-Valid Test Inputs:
To test error handling/recovery

Column	Type	Function	Null	Value
id	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
session_id	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
allergens	varchar(255)	<input type="text"/>	<input type="checkbox"/>	
car_id	int(45)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
donation_id	int(45)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>

8.21. Tester Name:
Cody

8.22. Date Tested:
12/03

8.23. Results:

Invalid inputs excluded, Table updated correctly, update succeeded

	id	session_id	allergens	car_id	donation_id
<input type="checkbox"/> Edit Copy Delete	1	1	Peanuts, Dairy	123	1

8.24. Did it pass?

Yes

8.25. Valid Test Inputs:

vehicles_details table insert date

```
1 INSERT INTO `vehicles_details` (`vehicle_id`, `make`, `capacity`, `temp_control`) VALUES ('01', 'Mercedes Bens Sprinter Van', '245', '1');
```

8.26. In-Valid Test Inputs:

To test error handling/recovery

Column	Type	Function	Null	Value
vehicle_id	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
make	varchar(45)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>
capacity	int(11)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -2147483648</small>
temp_control	tinyint(1)	<input type="text"/>	<input type="checkbox"/>	a <small>Please enter a value greater than or equal to -128</small>

8.27. Tester Name:

Cody

8.28. Date Tested:

12/03

8.29. Results:

Invalid inputs excluded, Table updated correctly, Foreign key cascade update succeeded

	vehicle_id	make	capacity	temp_control
<input type="checkbox"/> Edit Copy Delete	1	Mercedes Bens Sprinter Van	245	1

8.30. Did it pass?

Yes

8.31. Valid Test Inputs:

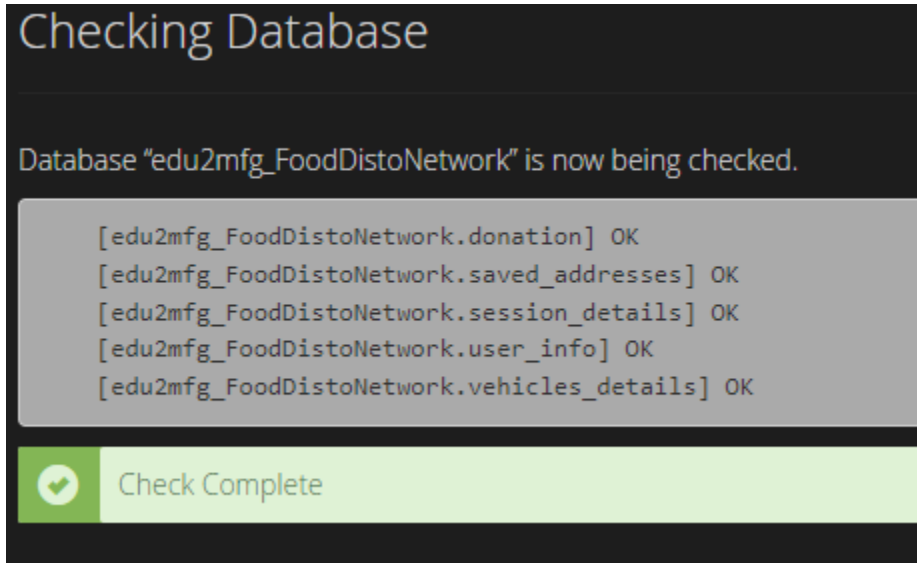
Verify connection through cPanel - Check Complete

8.32. Tester Name:

Cody

8.33. Date Tested:
12/03

8.34. Results:
All tables checked and validated. Database is live.



8.35. Did it pass?
Yes

Team Members:

System Test Verification Completed: Date: 12/03

Name	Signature
Lee Xiong	<i>Lee Xiong</i>
Sam Lam	<i>Sam Lam</i>
Andrew Nguyen	<i>Andrew Nguyen</i>
Raven Cunanan	<i>Raven Cunanan</i>
Cody Milne	<i>Cody Milne</i>