

Food Zone

Project overview

FoodZone is a platform for food and cooking enthusiasts. It allows users to share and keep track of different food and cooking events. This platform targets future or current cooks and chefs and it also allows them to hold events for sharing their recipes and have food tours. Users can register and log in on the website and have access to all these features.

Requirements

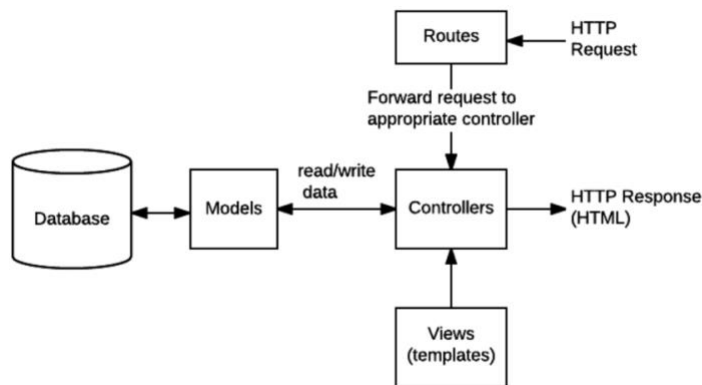


Figure 1MVC

Your web application must apply the MVC pattern, according to the following specifications:

1. Data objects to implement the business layer of the application (**model**)
2. Dynamic pages to present the **view** to the browser
3. Controller logic to **control** the flow of the application

Controllers

Profile Controller

This controller is responsible for answering requests that pertain to user-specific functionality. These are the requests for accessing a service the application provides to support its users. These are registered users (we are simulating that with are hardcoded data) and these services/functionalities are specific and available to them. An application-user should be able to navigate to a view that lists connections they saved in the application as well as navigate to a view to provide connection RSVP.

Connection Controller

This controller is responsible for handling and directing requests that pertain to displaying the categories of connections (catalog) and individual connection details. An application user should be able to navigate to a view that lists all connections saved in the application (connections.ejs) as well as navigate to a page providing connection details from the connections page (connection.ejs). The connection controller will be utilized to create the flow of the application. This route controller is responsible for handling the following two requests:

- for a request to view the complete list of connections this controller responds by bringing all connection models from the database and sending that data to the connections view for display.
- for a request to view a single connection this controller responds by bringing the requested connection model from the database and sending that data to the connection view for display.

Router

This controller is responsible for handling and directing requests that pertain to displaying the general user pages.

Objects for Business Objects (Model)

- We utilize data objects for the model to represent the main data elements/business objects used.
- We utilize persistent data storage to save application data:
 - The application must utilize a persistent database that is populated with data

User-represents a user profile

UserConnection – represents a connection saved to the user profile (associates a connection to a user profile)

UserProfile - represents the user profile and list of connections. It supports getting, adding and removing connections from the list of user connections

Applying Security Measures

make use of the express-validator package to validate all input values read into the application (login and add connection)

View requirements

Standards for Web Page Design (view):

The following design standards must apply to all pages of your application:

1. Pages must be valid HTML 5 standard. They must validate error - free.
2. All the web pages must be responsive i.e. they should be rendered without distortion across all screen widths
3. You must NOT use a site - builder or automatic site generation tools.
4. There must be complete separation of code.
 1. All CSS should be included into separate files – only link(s) to the external CSS files are allowed in the HTML document.

2. All JavaScript should be included into separate files – only link(s) to the external *.js files are allowed in the HTML document.
5. Each project will consider coding efficiency and design choices, which includes coding elegance and style.
 1. Efficiency will be determined on the use of resources
 2. Code design will be evaluated based on ease of maintenance, understandability, documentation (within code), reusability and extensibility.
 1. Proper indentation will be evaluated
 3. Design will be evaluated based on
 1. Aesthetics - Good visual presentation
 2. Ease of use
- Good navigation

Home page	<ul style="list-style-type: none"> • Filename: index. ejs • Logo / primary branding in the header • Placeholder for login name • Representative links for user-specific navigation (login-in, signup, etc.) <ul style="list-style-type: none"> ○ Log in and sign up links must provide navigation to saved connections page ○ The link for the "Start a new connection" can be inactive for this stage. • Representative links for general site navigation (home, connections, about, etc.) <ul style="list-style-type: none"> ○ Connections link must provide navigation to connections page ○ Logo image must link to home page • Representative footer information (copyright, etc.) • Main content area should provide an introduction and overview to the site. May be more than simple text.
Connections page	<ul style="list-style-type: none"> • Filename: connections. ejs • At least two categories of connections • At least three connections per category/topic • All connections listings should link to the same connection page, as a design placeholder • Note that within the main content container, category/topic organization may be fancier than a plain list.

Connection detail page	<ul style="list-style-type: none"> • Filename: connection.ejs • Picture of host user • Connection highlights, including category/topic, host user name, time / date, and location • Connection detail description • Buttons to add the Connection to a saved connections list <ul style="list-style-type: none"> ◦ Button action should link to the saved connections page
Saved connections page	<ul style="list-style-type: none"> • Filename: savedConnections.ejs • Main content container should provide a table structure listing representative connections saved to user profile • “Update” button action should link to the “connection” page • “Delete” button should link to back to the “saved connections” page • The link for creating new connections should be inactive for this stage.
New connection page	<p>Filename: newConnection.ejs</p> <p>Create a new (static, design prototype) EJS template page that allows a user to create a new connection.</p>
Log in page	<p>Filename: login.ejs</p> <p>This page is linked into the application flow from the “Log In/Sign In” link in the user navigation bar. It should provide submission of username (email) and password for a user to login to the application and view their profile of saved connections. The “Log In/Sign In” button should be linked to the profileController with an “action” request parameter with the value of “sign In”.</p>
Register page	<p>Filename: User Registration.ejs</p> <p>Users should be able to register with the site by creating an account that includes their information.</p>
404, About, contact pages	Individual ejs files with the similar format as home page

Site Map

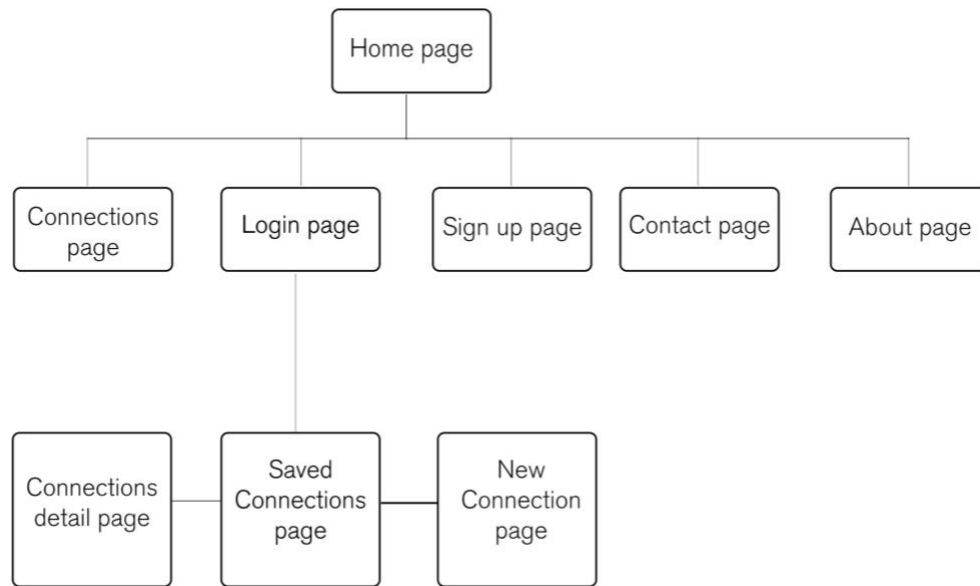


Figure 2 Site map

Page Design

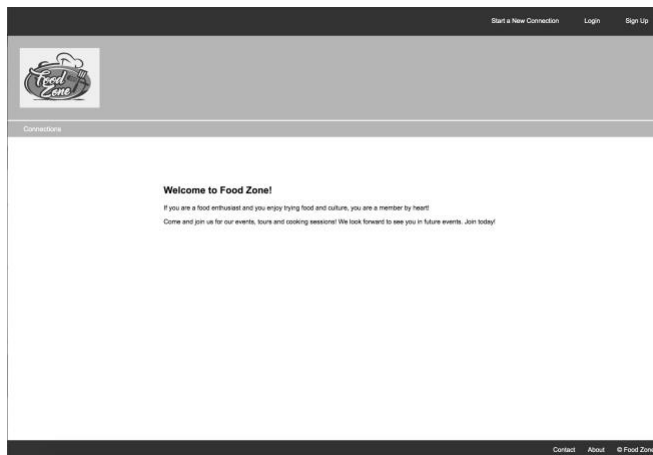


Figure 3 Homepage

The name	Home page
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The purpose	The main page with which the user enters the website
Audience	All users
What data (fields) will be presented on the page based on what logic?	No data
What validations (if any) will exist on page?	There are no validations in this page
What buttons or hyperlinks will exist, and what actions will be taken when clicked	Links to navigation (sign up, sign in) , connections page, contact and about.
Special notes	

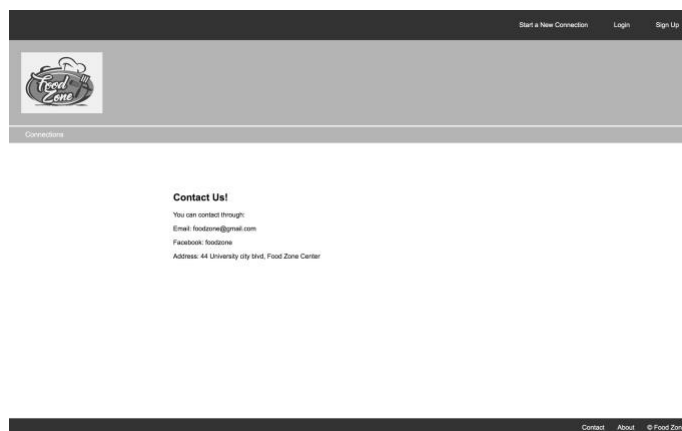
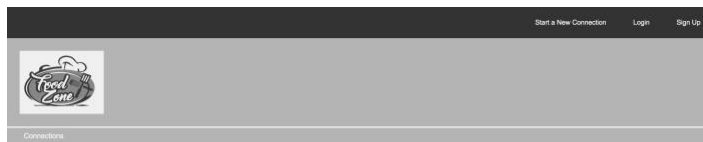


Figure 4 contact page

The name	Contact page
The purpose	Contact information of the FoodZone
Audience	All users
What data (fields) will be presented on the page based on what logic?	No data
What validations (if any) will exist on page?	There are no validations in this page
What buttons or hyperlinks will exist, and what actions will be taken when clicked	Links to navigation (sign up, sign in), connections page, contact and about.
Special notes	



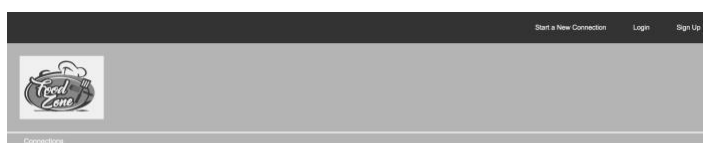
Food zone mission

To us, there's nothing better than a group of people sharing the experience of a meal - making it, eating it, talking about it and happily remembering the good things about it the next morning.



Figure 5 About page

The name	About page
The purpose	Describes the FoodZone and provides information
Audience	All users
What data (fields) will be presented on the page based on what logic?	No data
What validations (if any) will exist on page?	There are no validations in this page
What buttons or hyperlinks will exist, and what actions will be taken when clicked	Links to navigation (sign up, sign in) , connections page, contact and about.
Special notes	



Food Zone Events

International Food Social Event
Food and Culture panel
Music and Food Club
American food with chef
Remmy
Healthy Cooking Club
Share your recipe
cooking class
Salad club
Make Smoothies together
social event



Figure 6 connections page

The name	Connections page
The purpose	Shows a list of available connections
Audience	All users
What data (fields) will be presented on the page based on what logic?	Gets the data from connections collection
What validations (if any) will exist on page?	There are no validations in this page
What buttons or hyperlinks will exist, and what actions will be taken when clicked	Links to navigation (sign up, sign in) , connection page for each individual connection, contact and about.
Special notes	

Start a New Connection Login Sign Up

Connections

Food Zone

First Name
value

Last Name
value

Address
value

Email
value

Password
value

Confirm Password
value

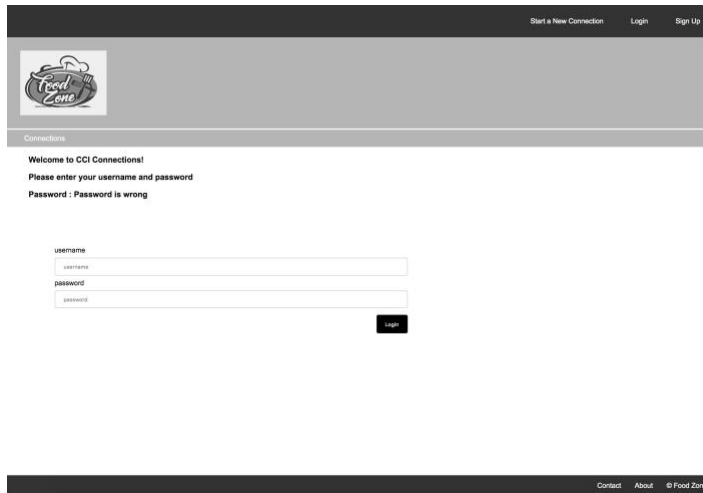
register

Contact About © Food Zone

Figure 7sign up page

The name	Sign Up page
The purpose	Let the users register on the website
Audience	All users
What data (fields) will be presented on the page based on what logic?	No data from the database, they will be presented with the registration form
What validations (if any) will exist on page?	Validation of first name, last name, email, address, password. Above doing all the validations like checking if fields are alphanumeric or are empty or their length, their email will be checked with the Users collection and throw error if it exists in the database.

What buttons or hyperlinks will exist, and what actions will be taken when clicked	Register button, a post request will be made and users will be directed to the login page if their registration is successful. Otherwise they see relevant errors about what they inputted in the input fields. , Links to navigation (sign up, sign in) , connections page, contact and about.
Special notes	



Start a New Connection Login Sign Up

Food Zone

Connections

Welcome to CCI Connections!
Please enter your username and password
Password : Password is wrong

username
password

Login

Contact About © Food Zone

Figure 8 Log in page

The name	Log in page
The purpose	Let the users log in on the website
Audience	All users but the separation point between registered users and general users
What data (fields) will be presented on the page based on what logic?	users will be presented with the log in form including username and password. What they input will be checked within the users' collection.
What validations (if any) will exist on page?	Validation of the email and password. If the user name and password exist and they match user can log in.
What buttons or hyperlinks will exist, and what actions will be taken when clicked	Log in button, a post request will be made and users will be directed to their saved connections page if their log in is successful. Otherwise they see relevant errors about what they inputted in the input fields. , Links to navigation (sign up, sign in), connections page, contact and about.
Special notes	

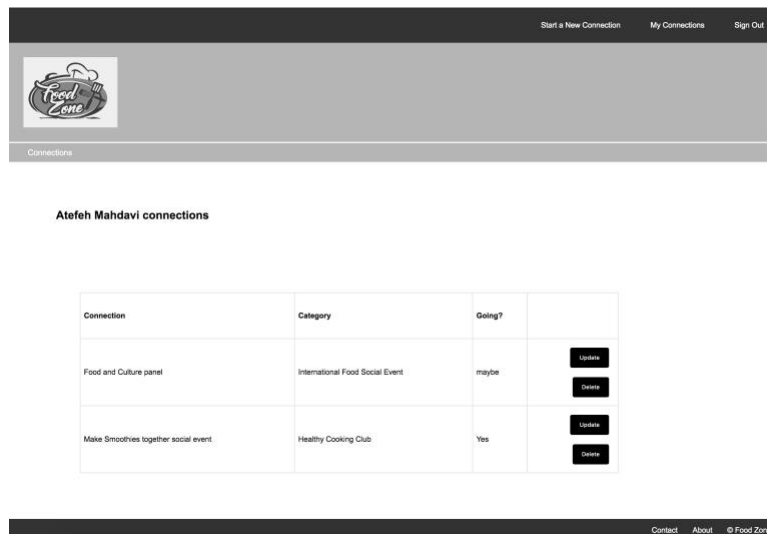


Figure 9 saved connections page

The name	savedConnections page
The purpose	Showing the users saved connection
Audience	Registered users
What data (fields) will be presented on the page based on what logic?	Data from UserConnection collection based on the connections they previously RSVPed to.
What validations (if any) will exist on page?	No validation
What buttons or hyperlinks will exist, and what actions will be taken when clicked	<p>Delete button, will delete the connection from the userConnection collection</p> <p>Update button, will update the rsvp status of the selected user connection</p> <p>, Links to navigation (sign up, sign in), connections page, contact and about.</p>
Special notes	



Figure 10 connection page

The name	Connection page
The purpose	Showing the details about a specific connection
Audience	All users
What data (fields) will be presented on the page based on what logic?	Data from connections collection
What validations (if any) will exist on page?	No validation
What buttons or hyperlinks will exist, and what actions will be taken when clicked	Yes, No and Maybe buttons, will Add or Update a connection from to or from the userConnection collection. If the user already has the connection the rsvp status will get updated , Links to navigation (sign up, sign in), connections page, contact and about.
Special notes	

ER Diagram of persistent database designed

