Build a Strong MERN Foundation

Online Banking Web Application

Designing the Online Banking Application

Before we begin, let's recall what we have covered till now:

HTML5

HTML, or Hyper Text Markup Language, is the standard markup language used to create web pages. It structures content on the web and is the backbone of all websites, defining elements like headings, paragraphs, links, and images.

CSS

CSS, or Cascading Style Sheets, is a style sheet language used for describing the look and formatting of a document written in HTML or XML. It provides a more efficient way to design web pages and allows changes to be made in one place that updates across the whole site.

A Day in the Life of a MERN Stack Developer

The planning of the project is done by employing the Agile methodology and the project is shifting toward its development stage.

The first step will be to design a static web page for the banking application using HTML5 and CSS.

Learning Objectives

By the end of this lesson, you will be able to:

- Identify basic HTML tags and CSS properties used to design a web application

- Utilize HTML and CSS to create basic elements of a banking website

- Examine and debug the code for common issues in web layout and styling

- Design and build a functional web application for a banking site using HTML and CSS
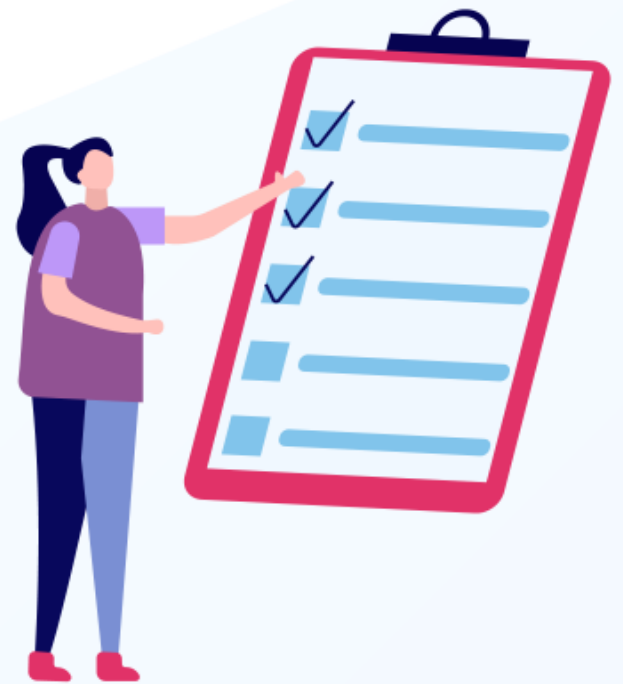
Task: Create the Static Web Application Using HTML and CSS
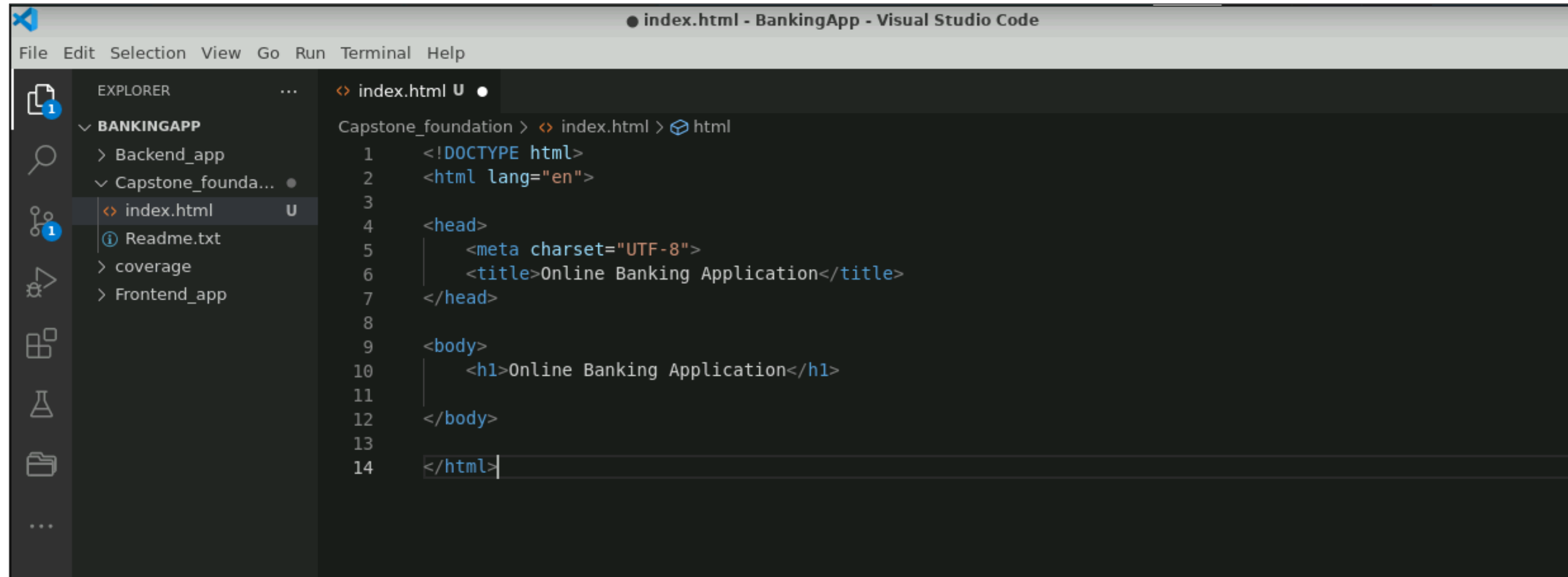
Create the Basic Web Application Structure

Open the project structure with VS Code
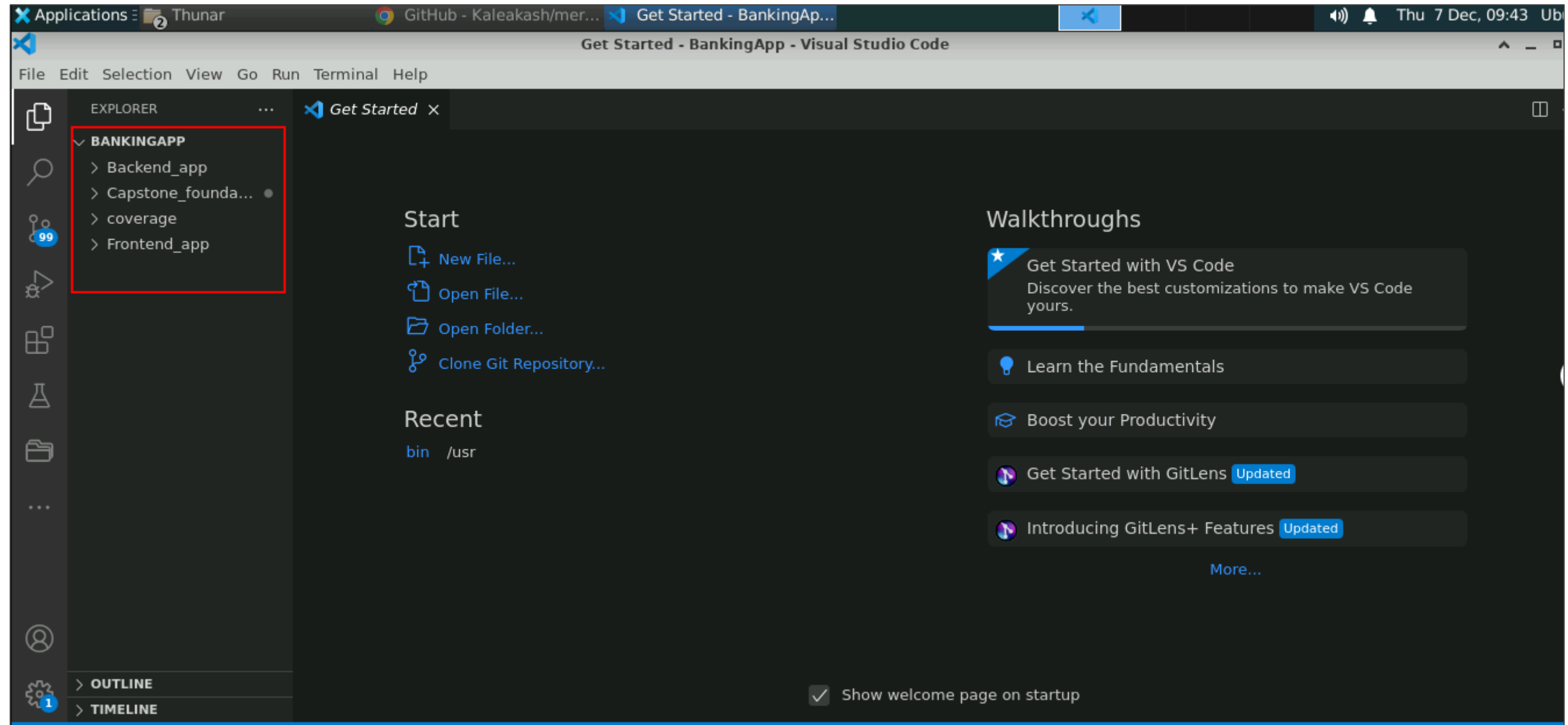
Create the Basic Web Application Structure
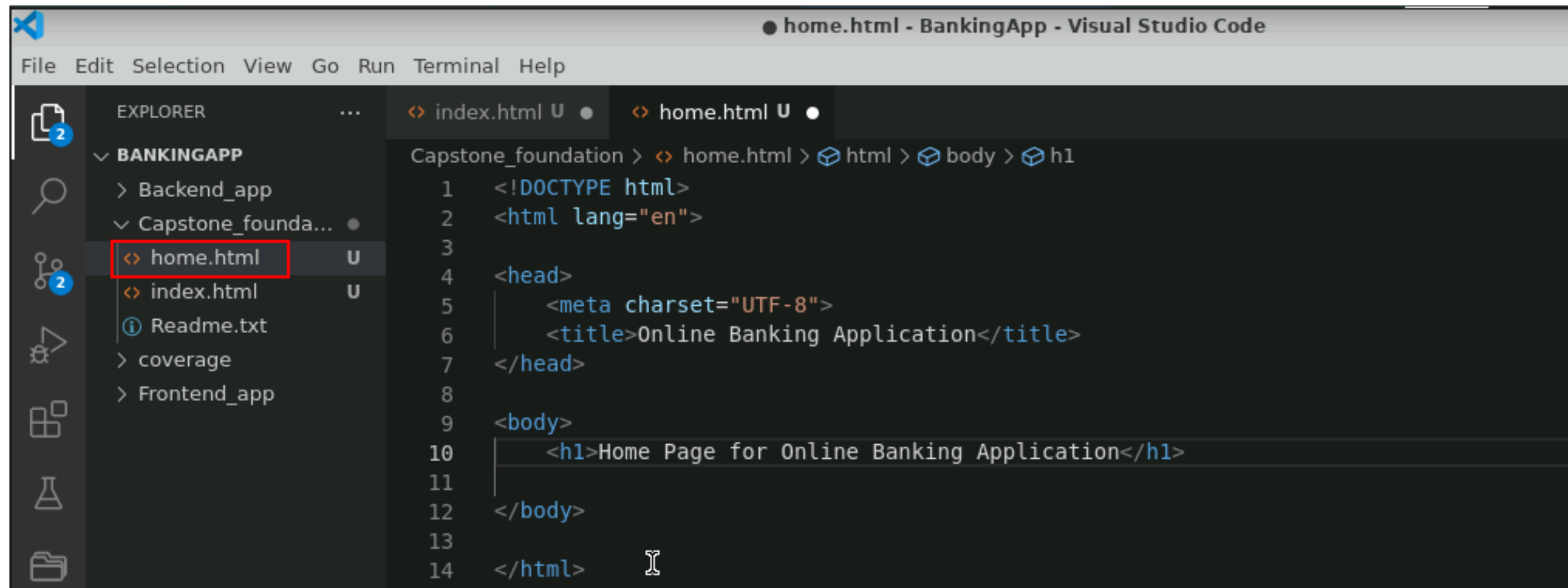
Create a simple HTML file named **index.html** inside the **Capstone_foundation** directory

Create the Basic Web Application Structure

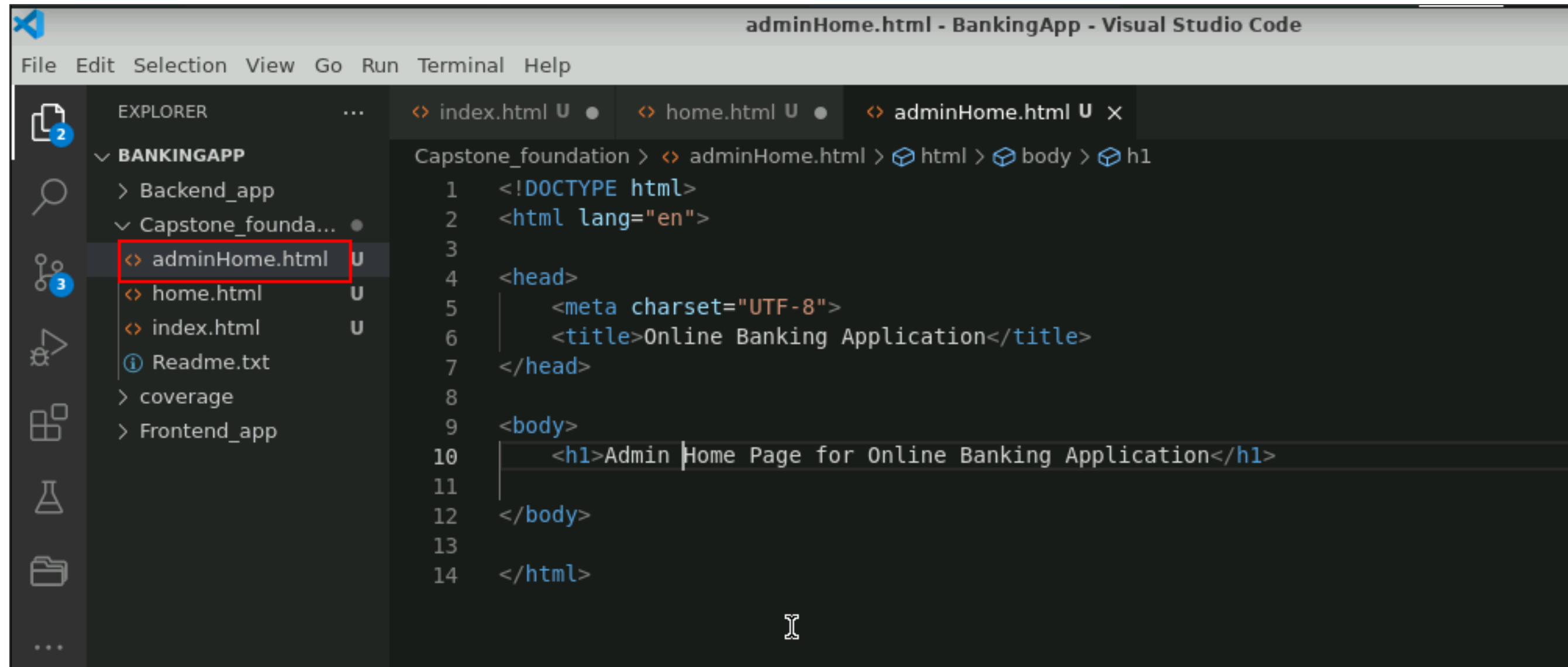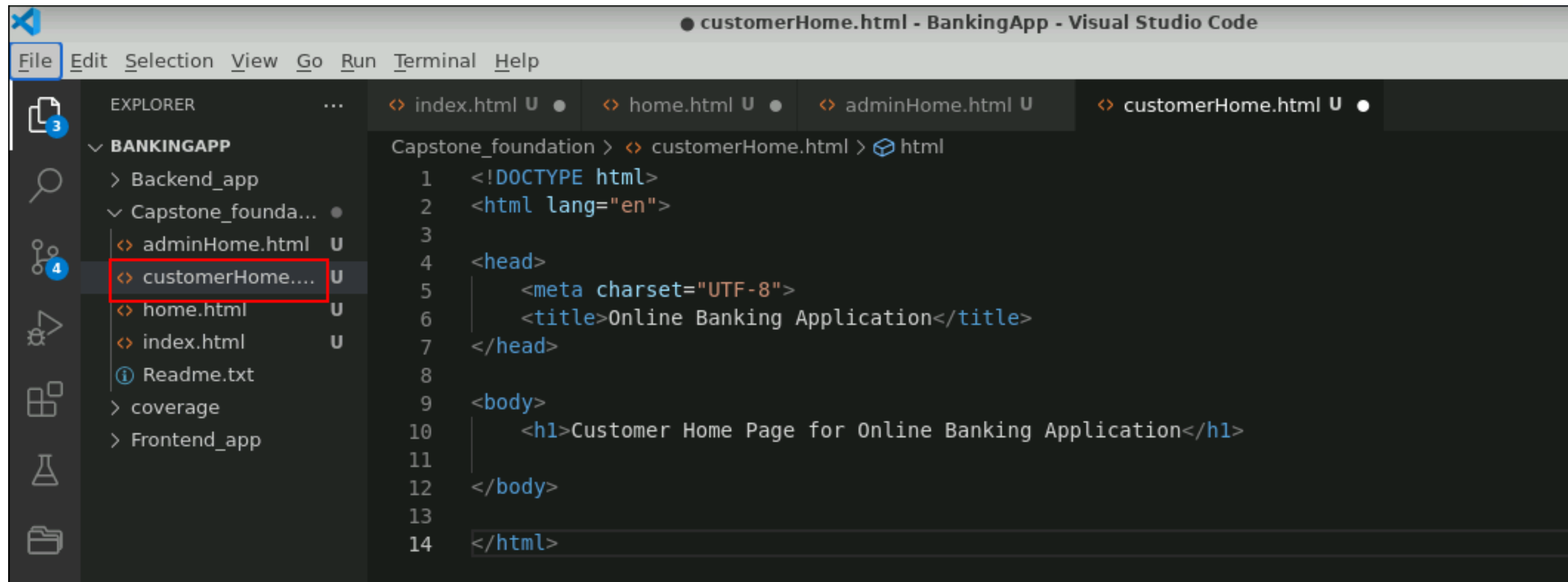Create a simple HTML page to serve as the home page of the web application

Create the Basic Web Application Structure

Create a simple HTML page to serve as the admin home page of the web application

Create the Basic Web Application Structure

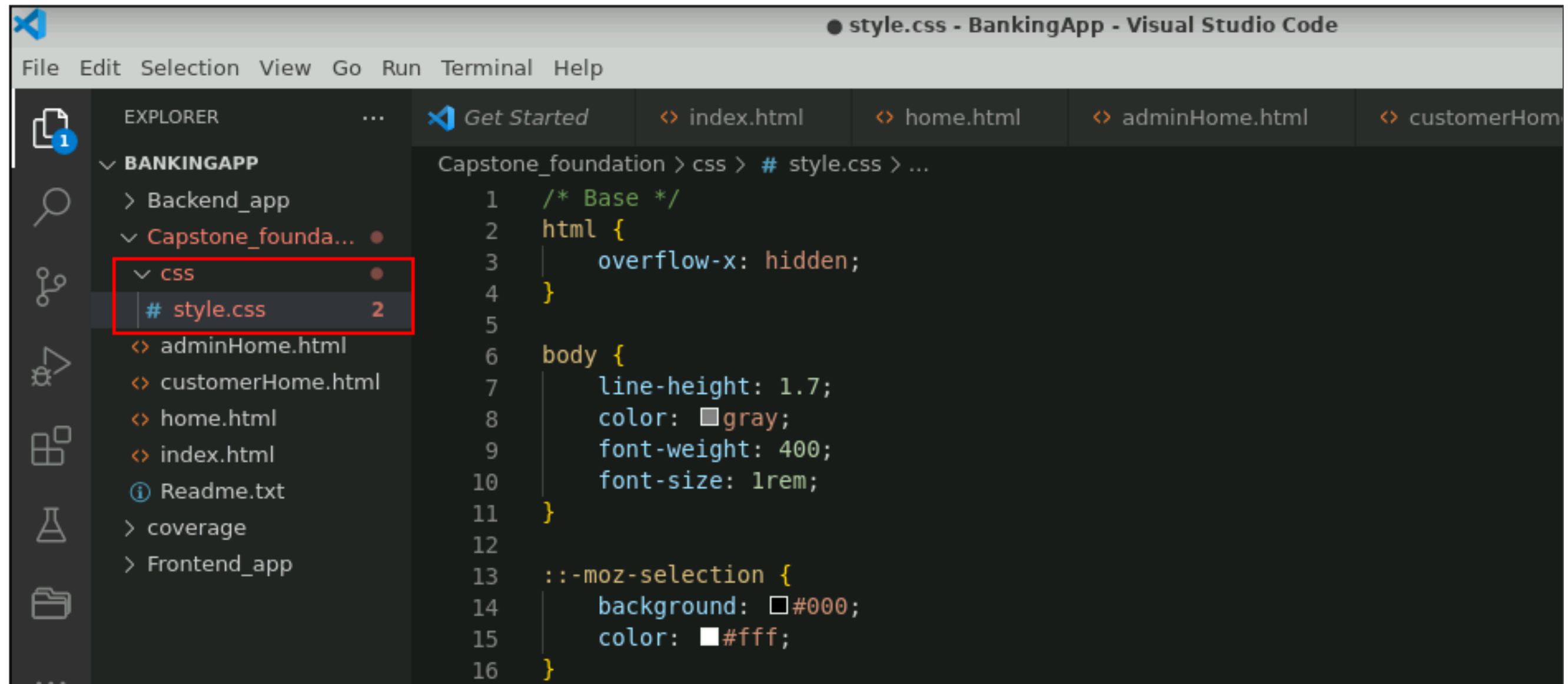Create a simple HTML page to serve as the customer home page of the web application
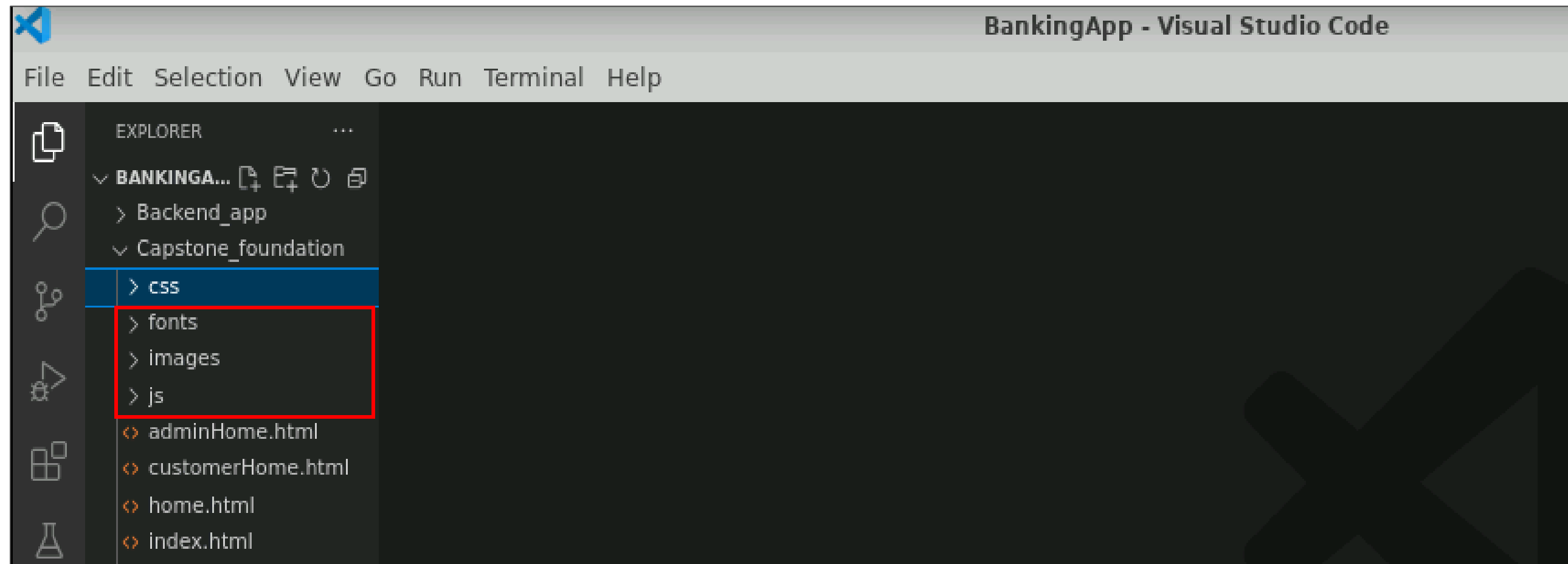
Create the Basic Web Application Structure

Make a **css** folder and create a **style.css** file in it to add external CSS properties
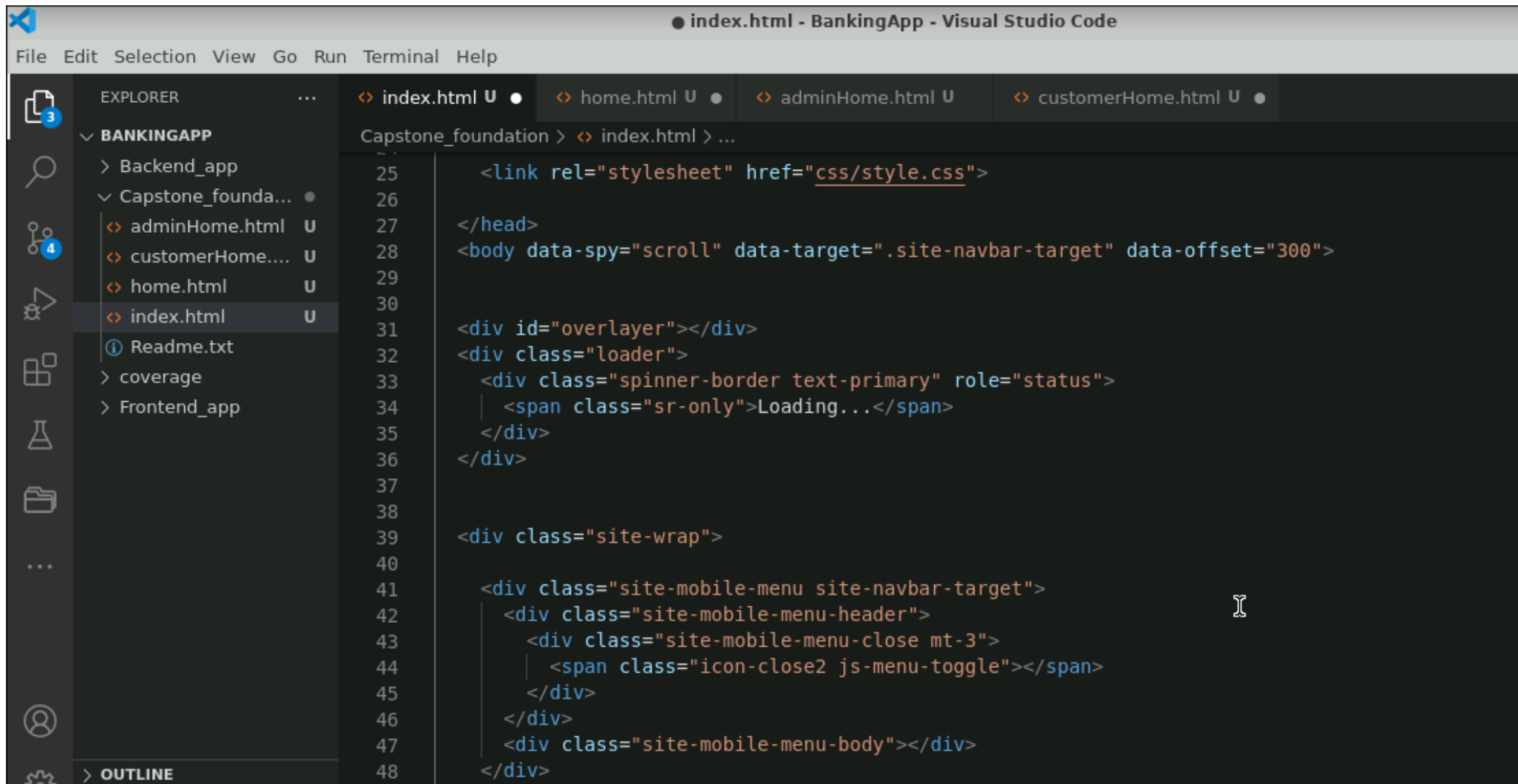
Create the Basic Web Application Structure

Create **fonts**, **images**, and **js** folders to store all necessary external resources

Modify the index.html Page

Modify the **index.html** file by adding HTML elements and CSS properties to create the following components: **Home**, **About Us**, **Blogs,** and **Contact Us**.
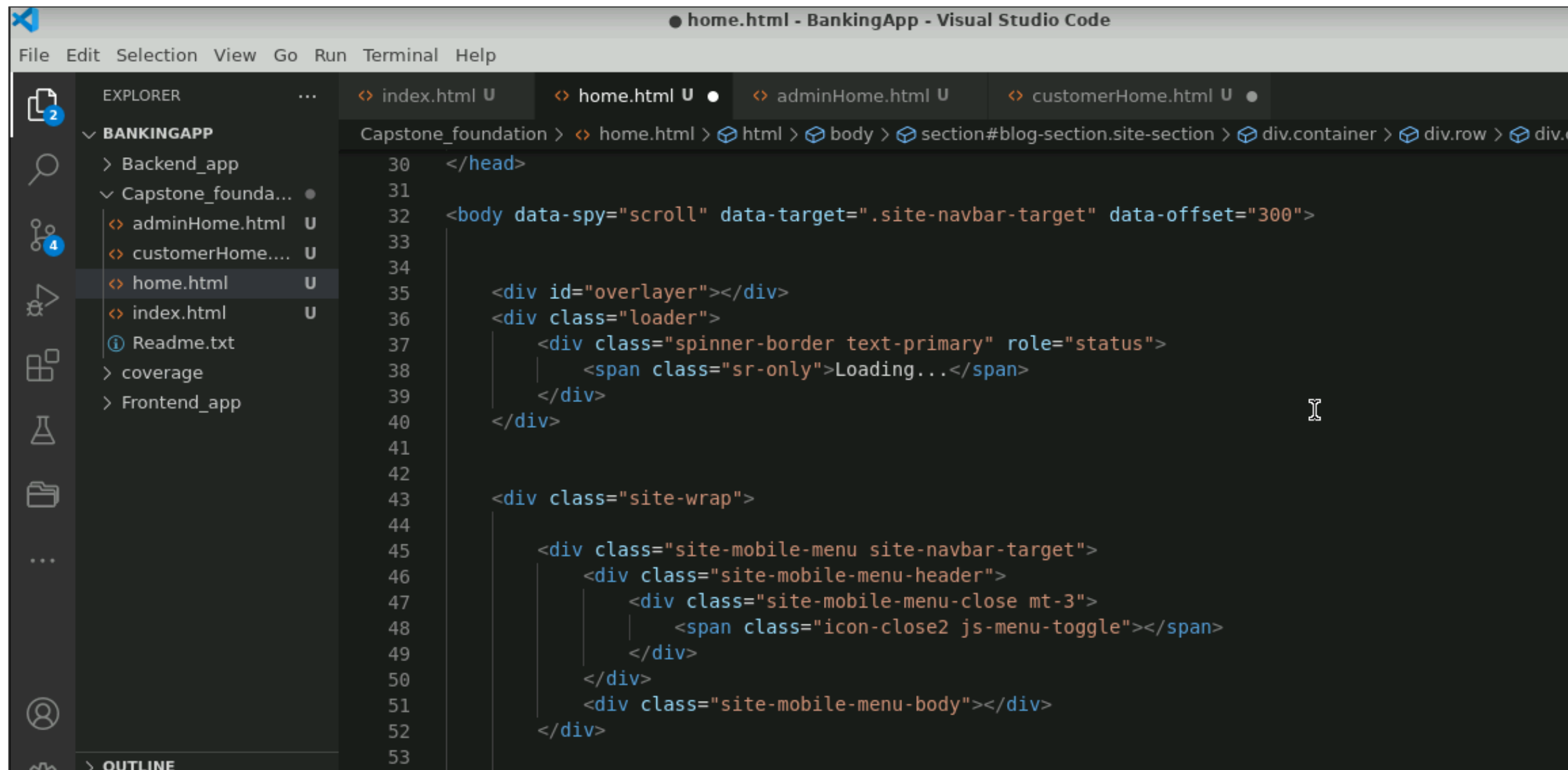
Modify the index.html File

This is a sample output of the **index.html** page which acts as the landing page of the banking web application.
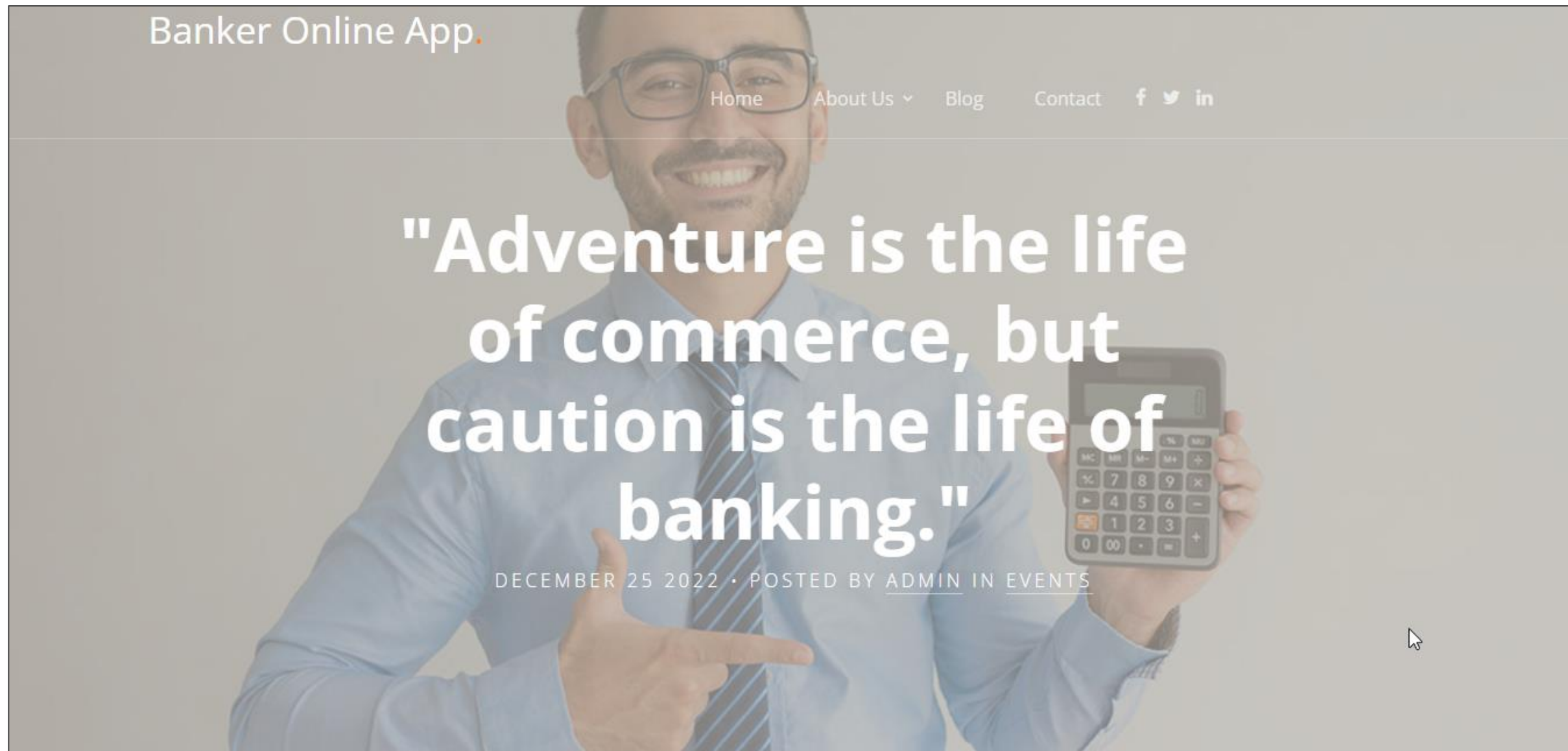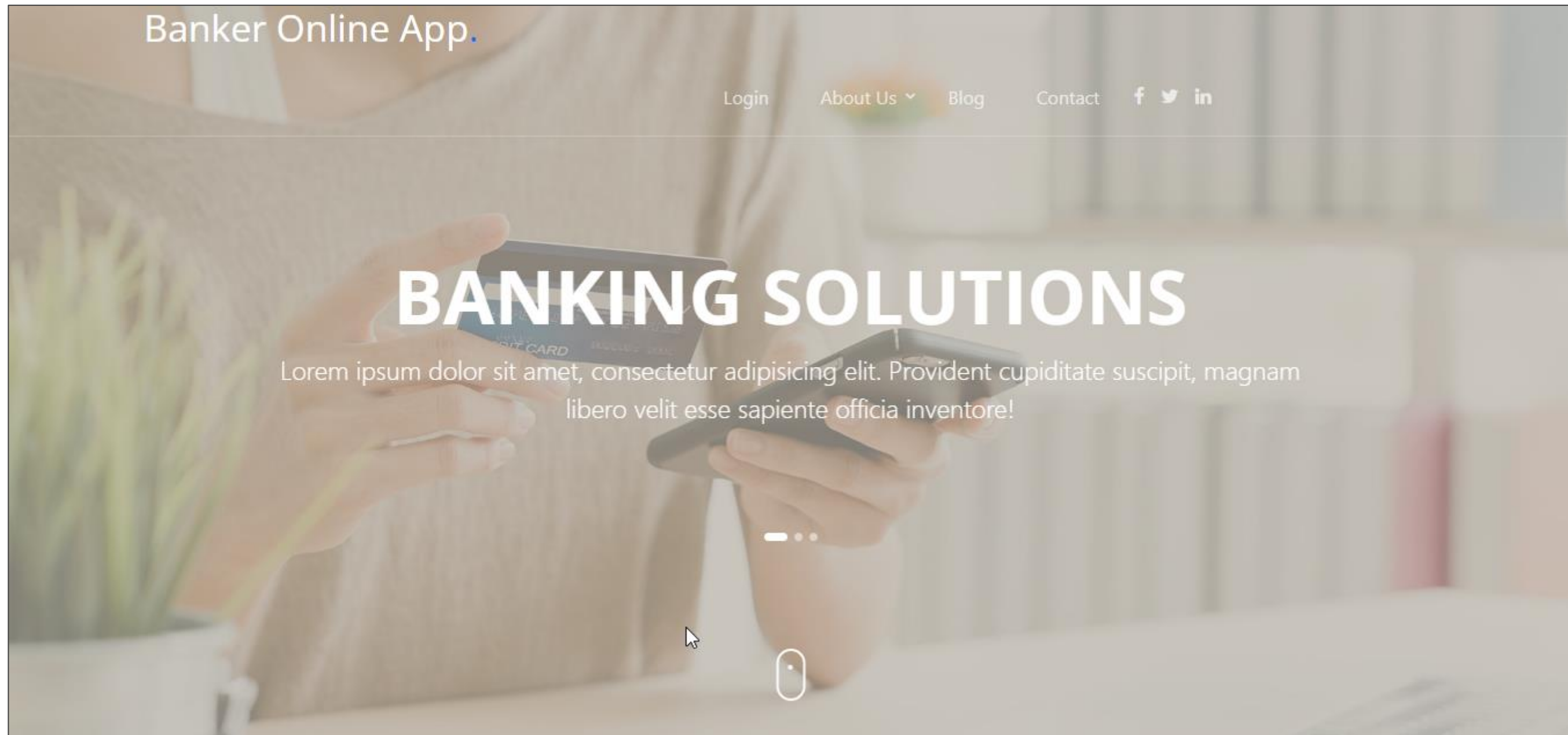
Modify the home.html File

Modify the **home.html** file by adding HTML elements and CSS properties to create the following sections: **Login, About Us, Services, Blogs,** and **Contact Us**
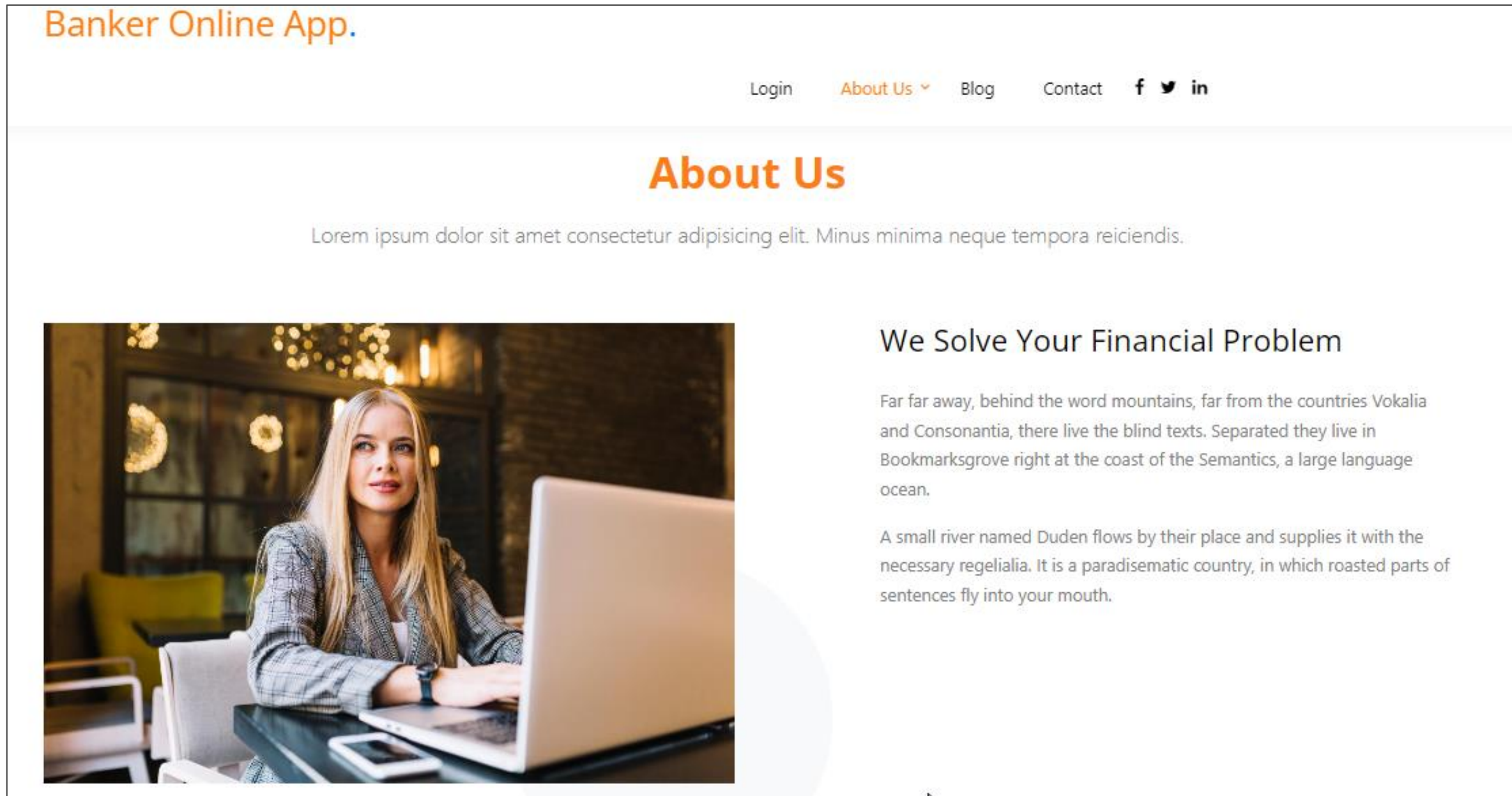
Modify the home.html File

This is a sample output of the **home.html** page.
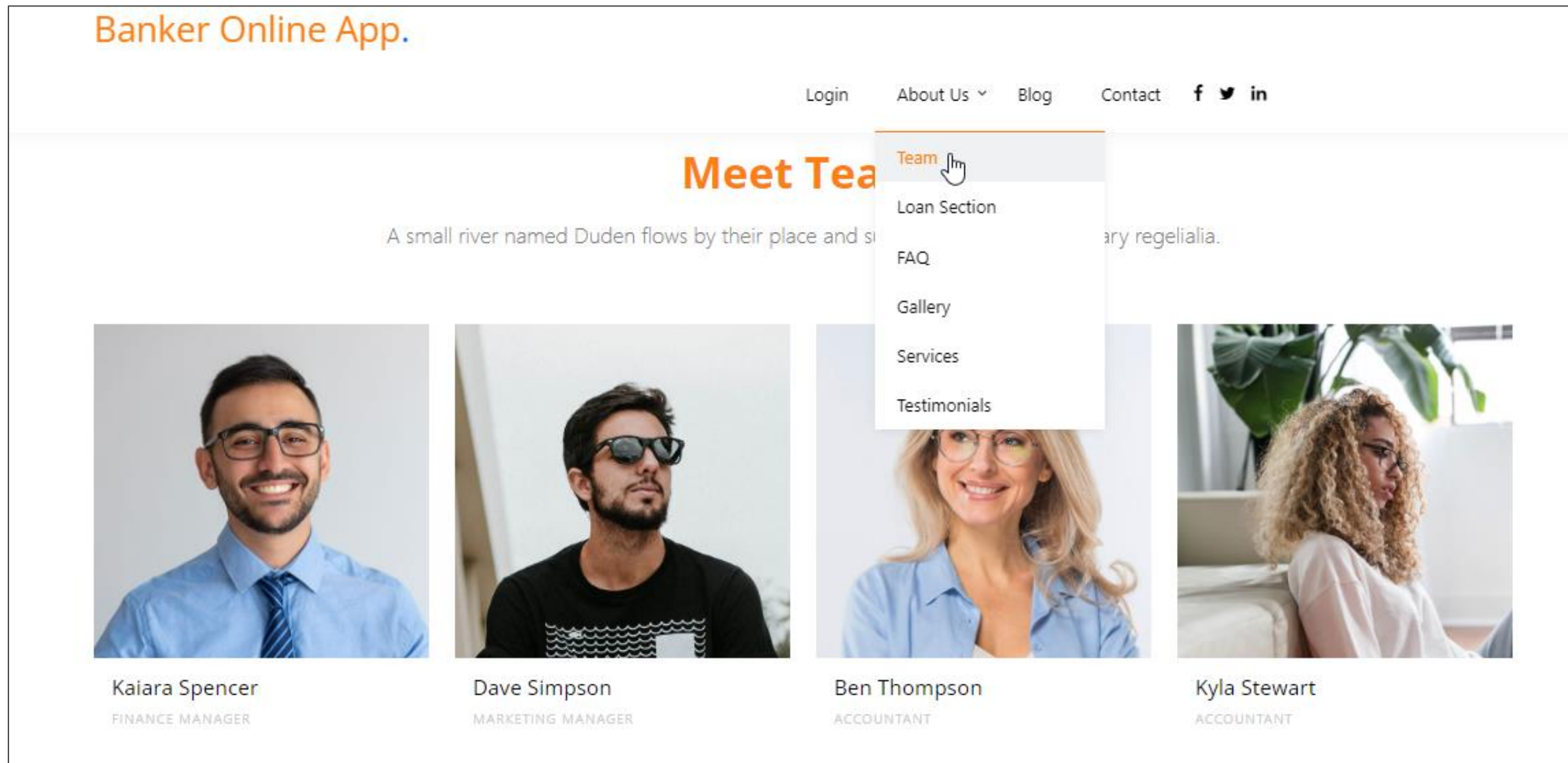
Modify the home.html File

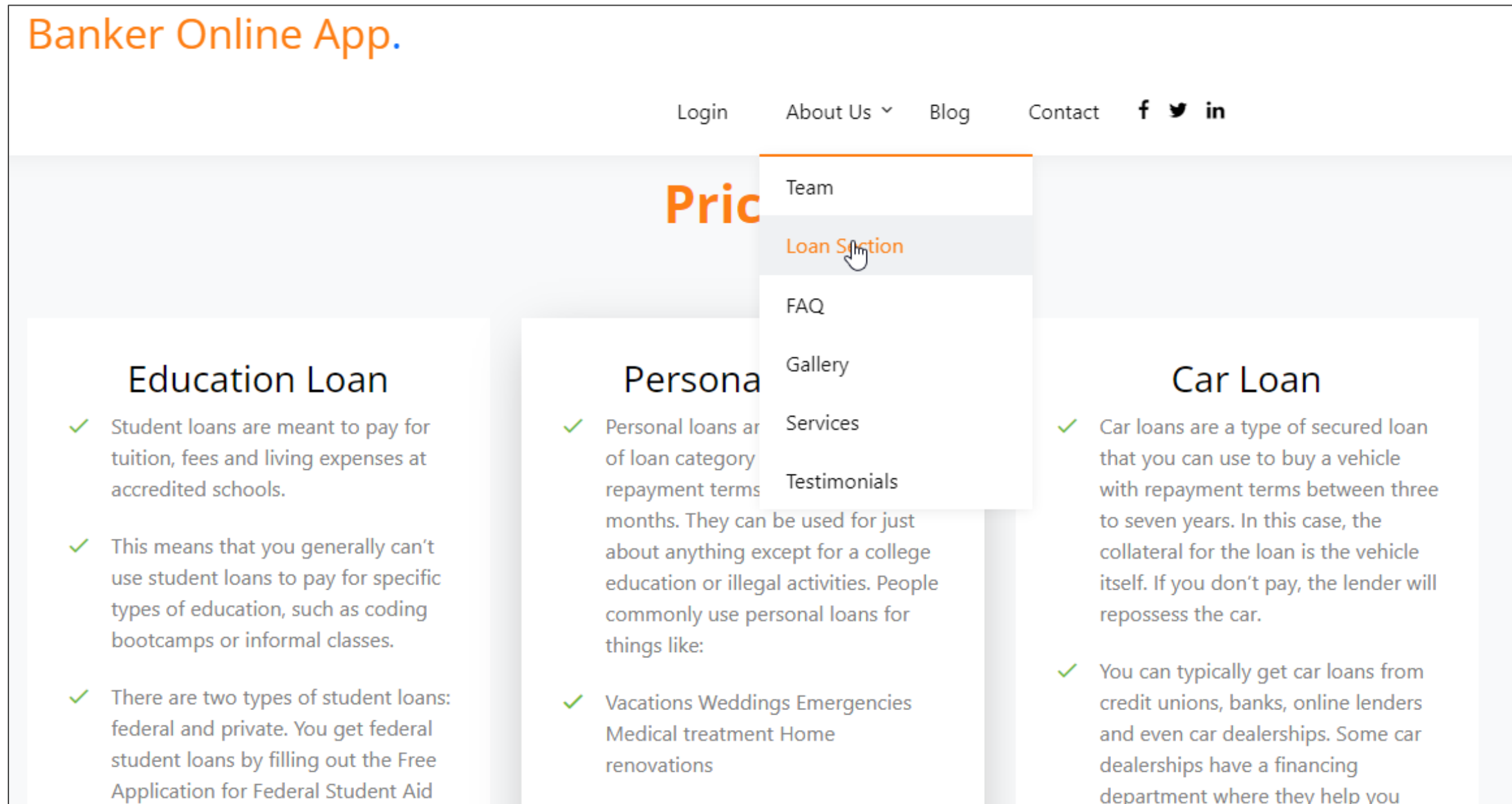This is a sample output of the **About Us** section.

Modify the home.html File

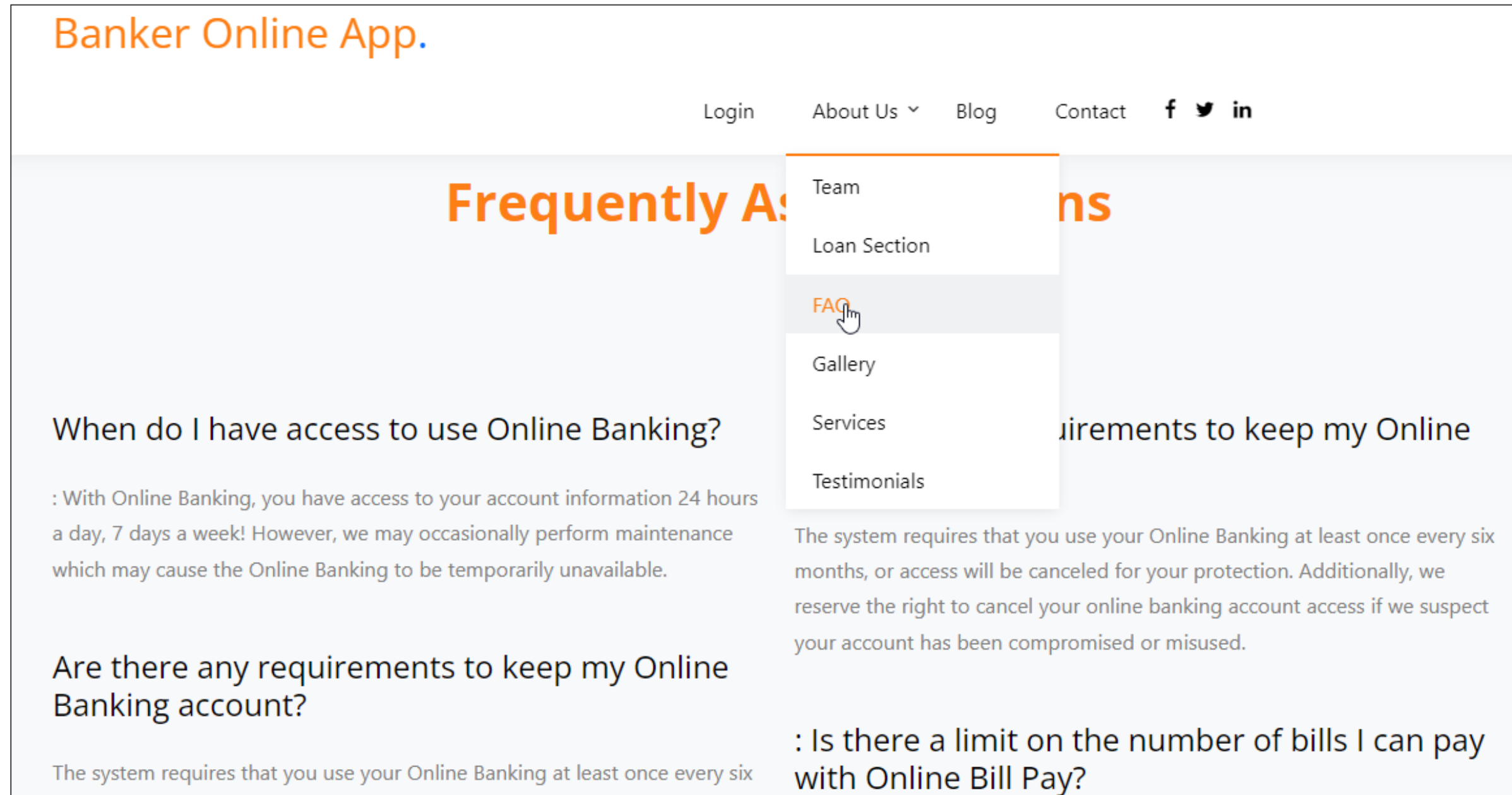This is a sample output of the **About Us > Team** section.

Modify the home.html File

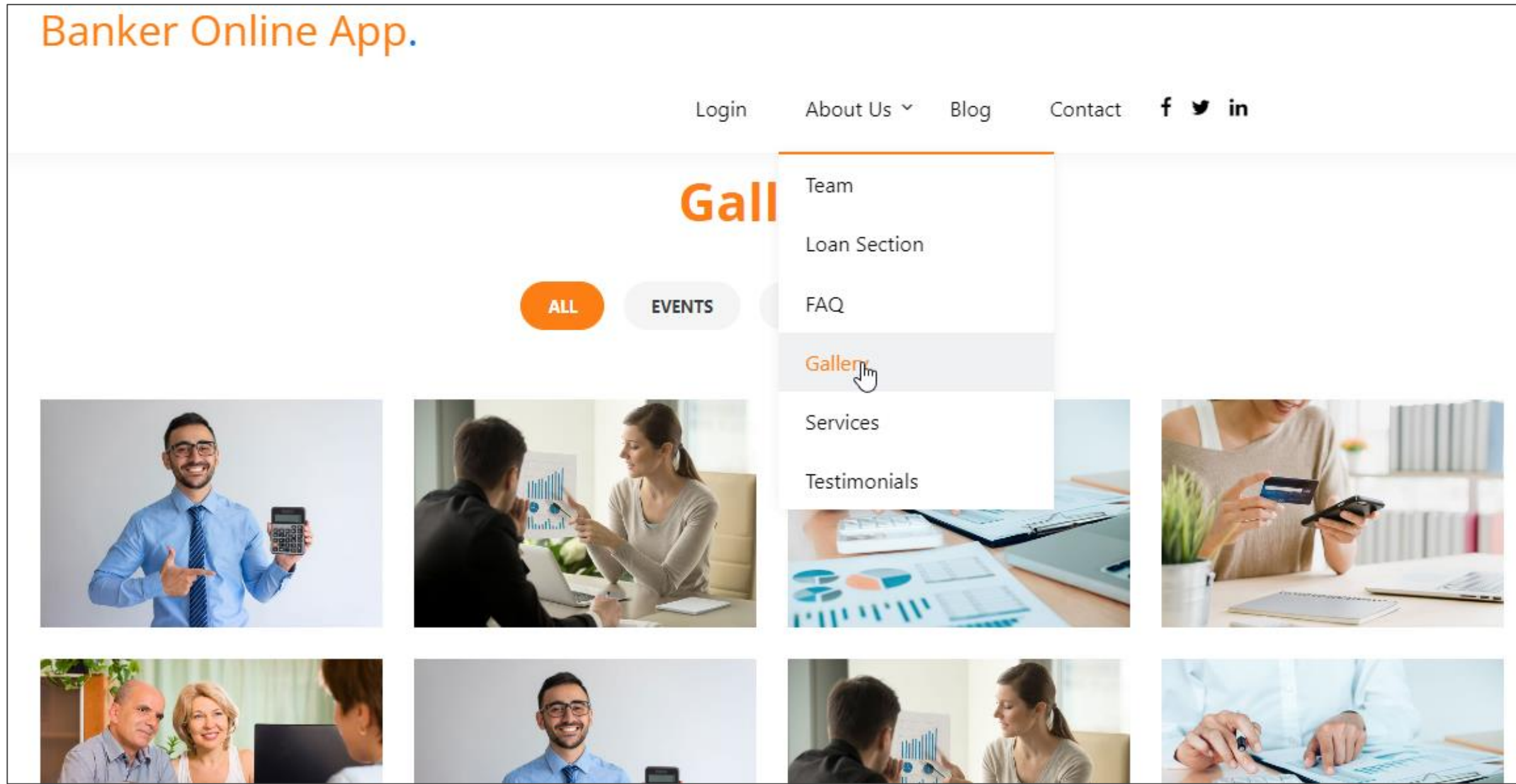This is a sample output of the **About Us > Loan Section**.

Banker Online App.

Login   About Us ⌄   Blog   Contact   f ⊻ in

Pric

Team

Loan Section

FAQ

Gallery

Services

Testimonials

Education Loan

✓ Student loans are meant to pay for tuition, fees and living expenses at accredited schools.

✓ This means that you generally can't use student loans to pay for specific types of education, such as coding bootcamps or informal classes.

✓ There are two types of student loans: federal and private. You get federal student loans by filling out the Free Application for Federal Student Aid

Persona

✓ Personal loans ar of loan category repayment terms months. They can be used for just about anything except for a college education or illegal activities. People commonly use personal loans for things like:

✓ Vacations Weddings Emergencies Medical treatment Home renovations

Car Loan

✓ Car loans are a type of secured loan that you can use to buy a vehicle with repayment terms between three to seven years. In this case, the collateral for the loan is the vehicle itself. If you don't pay, the lender will repossess the car.

✓ You can typically get car loans from credit unions, banks, online lenders and even car dealerships. Some car dealerships have a financing department where they help you

Modify the home.html File

This is a sample output of the **About Us > FAQs** section.
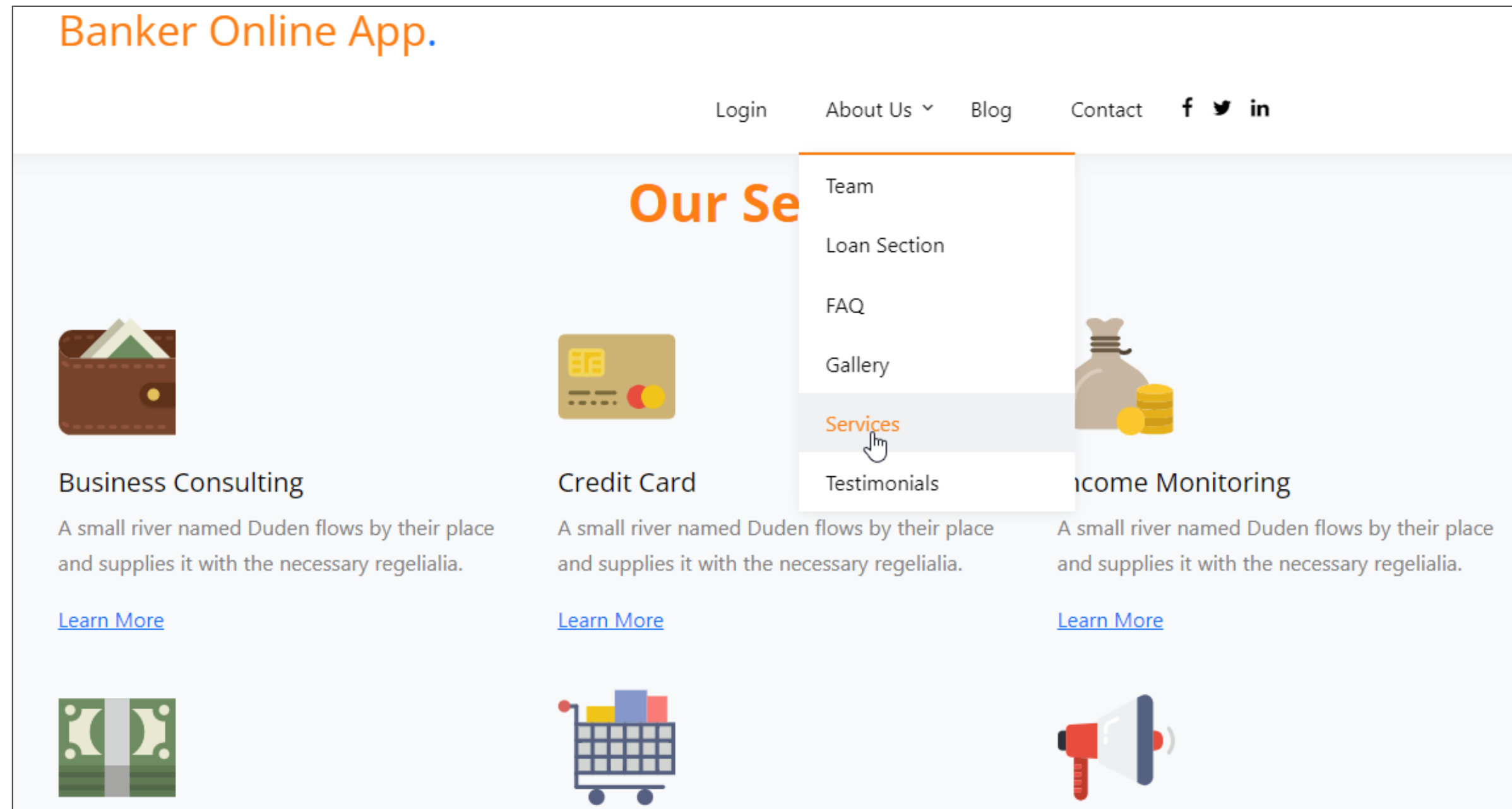
Modify the home.html File

This is a sample output of the **About Us > Gallery** section.
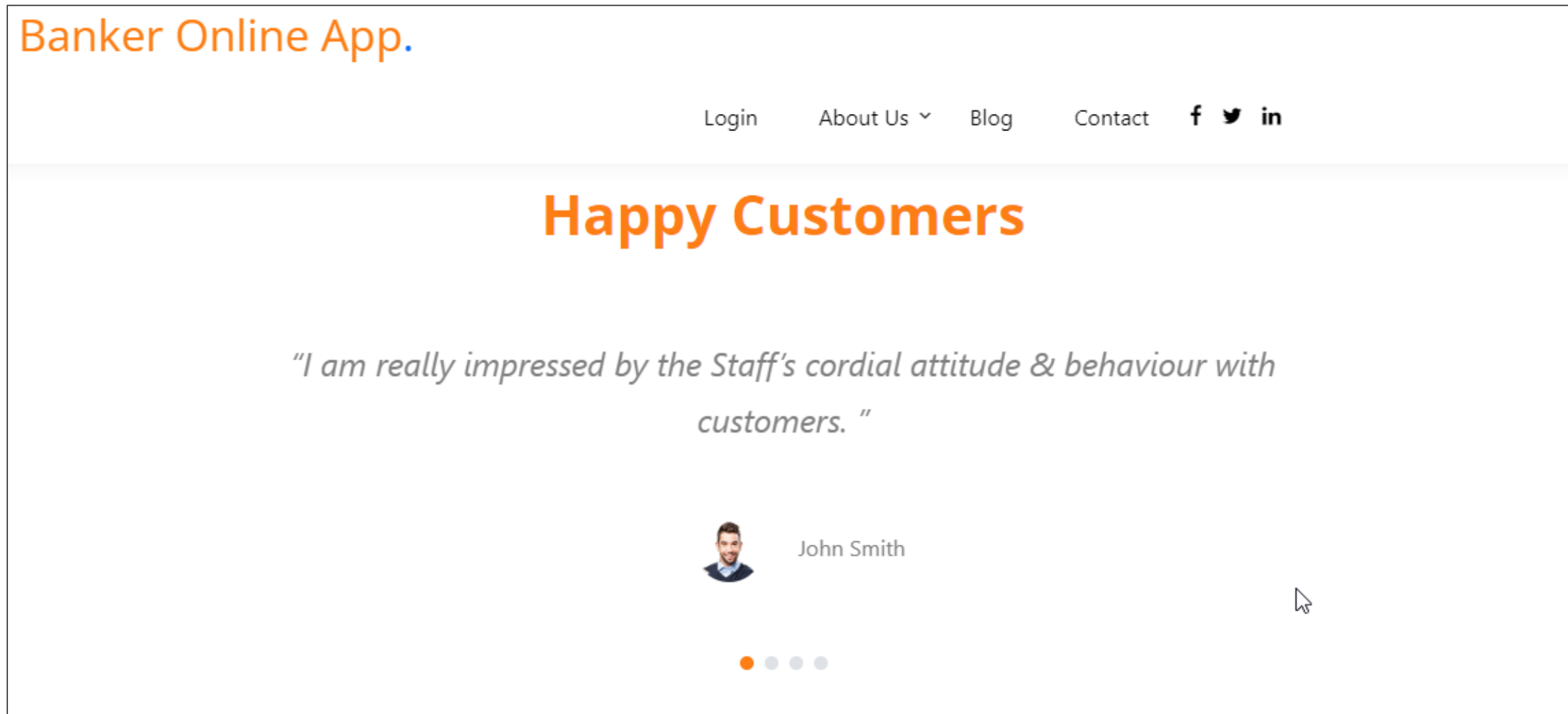
Modify the home.html File

This is a sample output of the **About Us > Our Services** section.

Modify the home.html File

This is a sample output of the **About Us > Testimonials** section.

Modify the home.html File

This is a sample output of the **Blogs** section.

Banker Online App.

Login   About Us ⌄   Blog   Contact   f 🐦 in

Our Blog

Super Apps: A New Chapter in the World of Digital Banking

Ham Brook • March 17, 2022 • News

What are super apps? Super apps, as the name suggests, are super in nature. What makes them different and 'super'

The Changing Face of Corporate Payments

James Phelps • October 14, 2021 • News

Mobile banking channels have witnessed an unprecedented usage surge in the recent times that has led digital leaders to explore innovative ways to improve and increase the

The ABCDE for Successful Agile Implementations – Powering Smart Banks

James Phelps • March 30, 2021 • News

The term "agility" has been a buzzword in the software industry for some time now and over the years, I've had the

Modify the home.html File

This is a sample output of the **Contact Us** section.

Banker Online App.

Login   About Us ⌄   Blog   Contact   f 🐦 in

Contact Us

📍

Address: NALANDA 53/1 C, Manoj Arcade, 24th Main Rd, Sector 2, HSR Layout, Bengaluru - 560102, Karnataka, India

📞

+1 232 3235 324

✉

youremail@domain.com

Contact Form
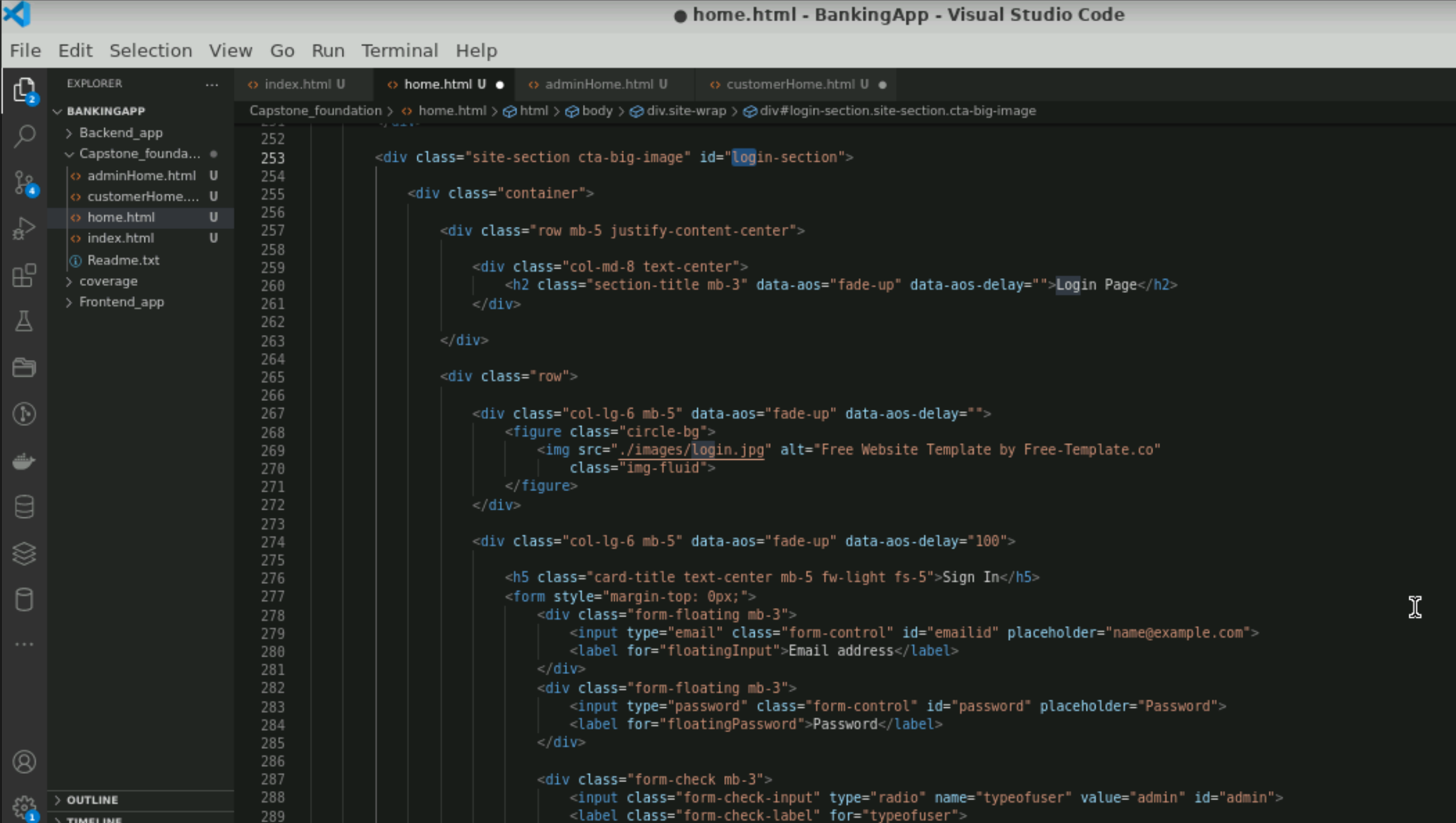
First Name

Last Name

Email

Modify the home.html File

Add login section which have the functionality of both admin and customer login

Modify the home.html File

This is a sample output of the **Login Page** section.

Banker Online App.

Login   About Us ⌄   Blog   Contact   f 𝕏 in

Login Page

Sign In

Reset
Your Password

Password

Confirm Password

Change

Email address

Password
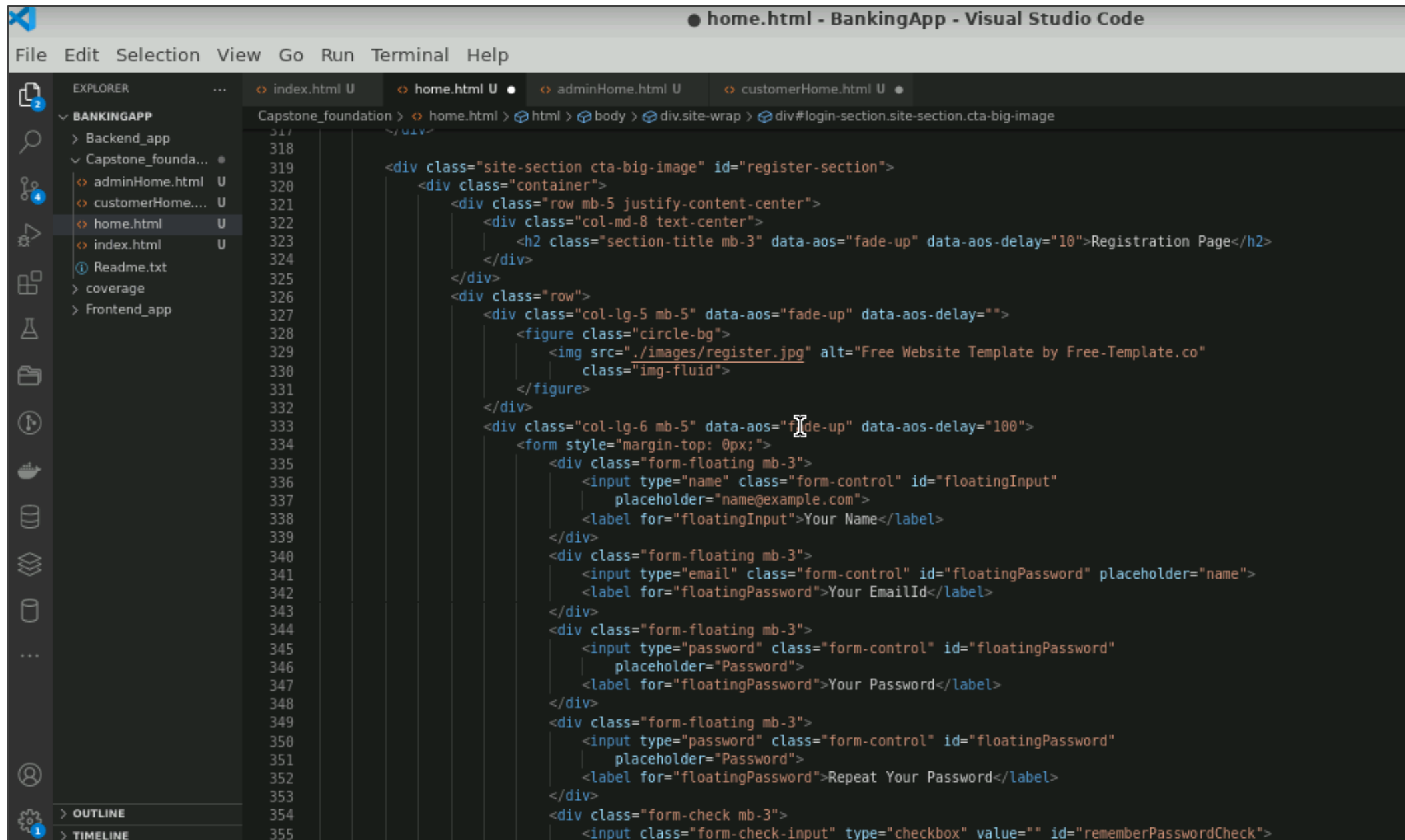
○ Admin ○ Customer

SIGN IN

SignUp

Modify the home.html File

Add a **Registration** section that shows up when the new customers want to sign up

Modify the home.html File

This is a sample output of the **Registration Page** section.
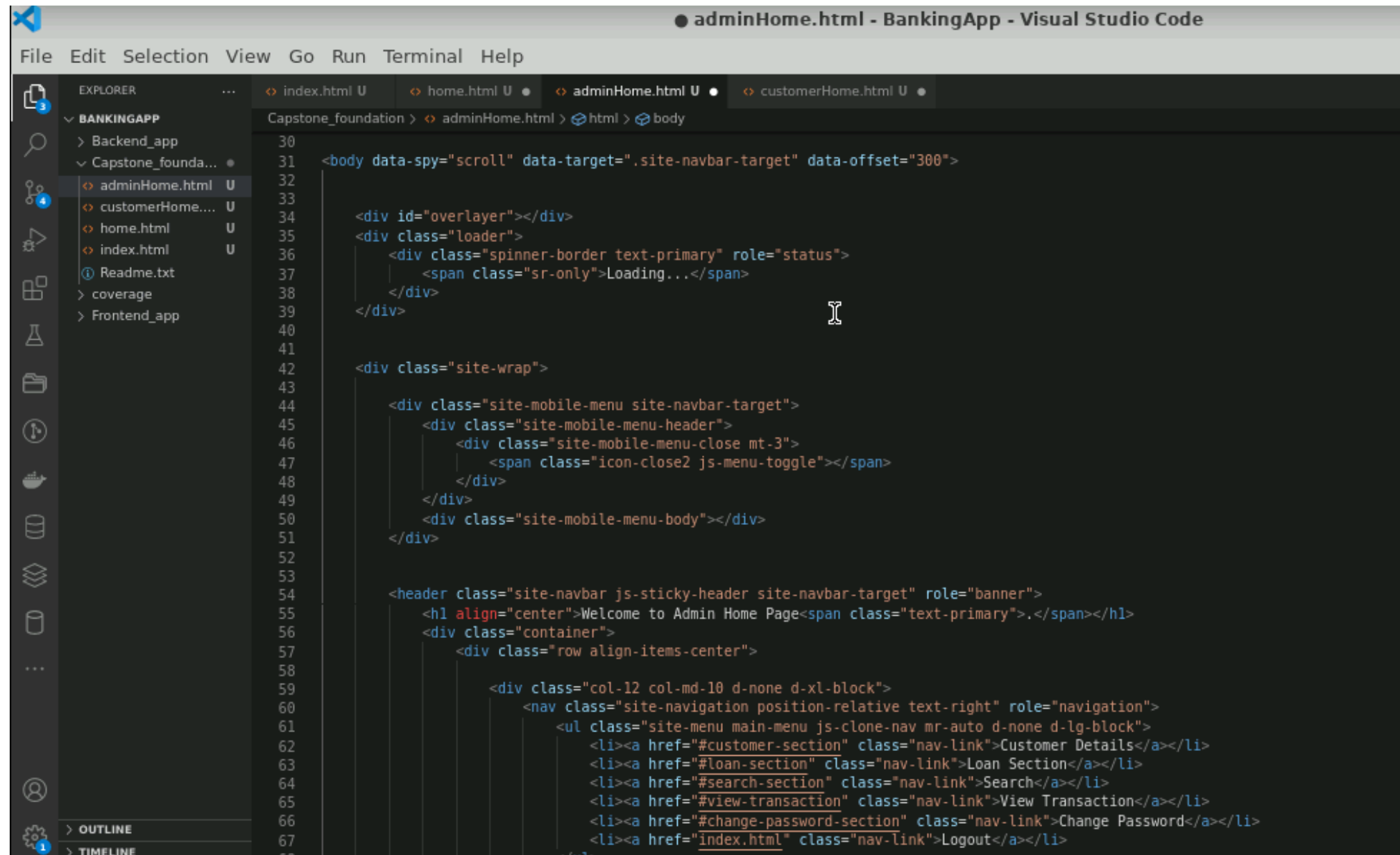
Modify the adminHome.html File

Modify the **adminHome.html** file to display different sections like customer details, loan section, search, and view transaction
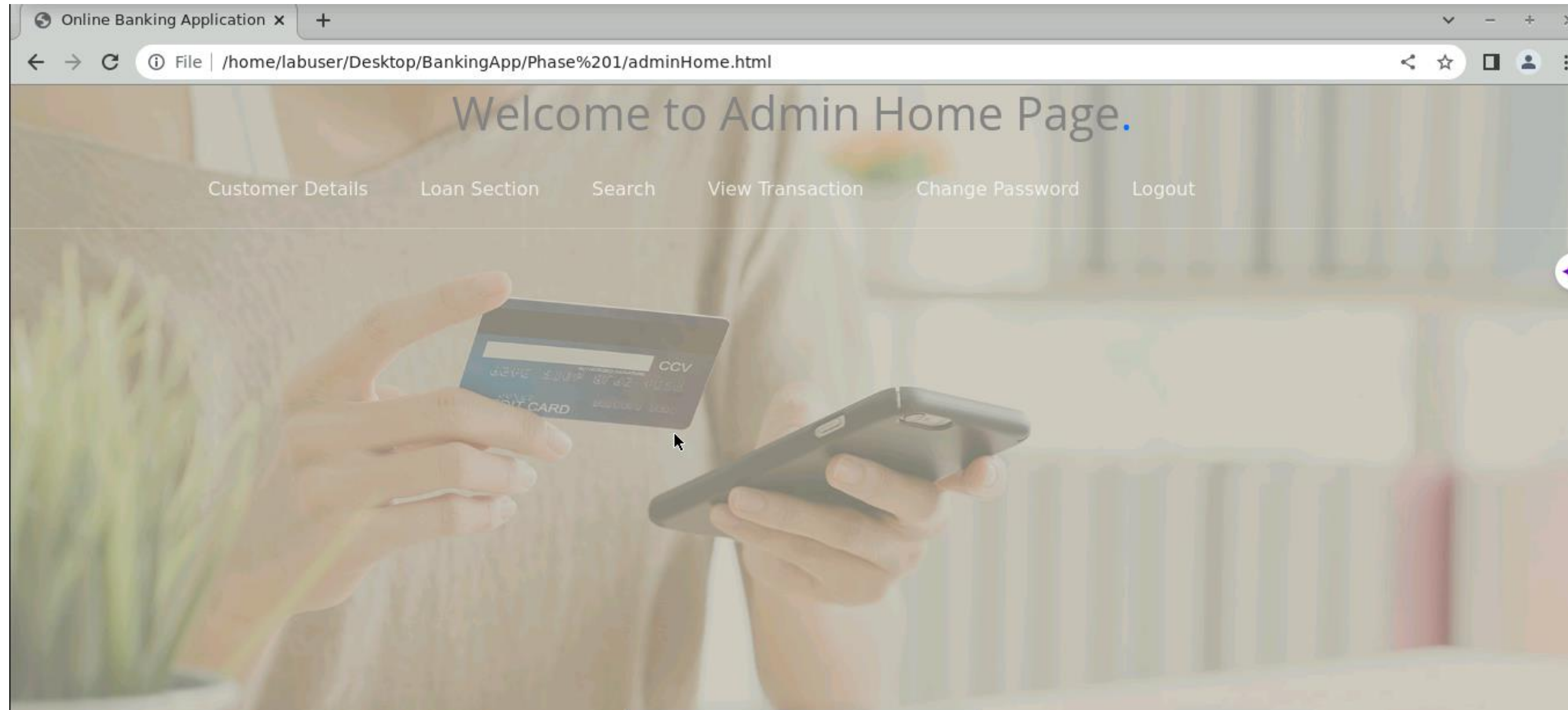
Modify the adminHome.html File

This is a sample output of the **adminHome.html** page.

Modify the adminHome.html File

This is a sample output of the **Customer Details** section.

Welcome to Admin Home Page.

Customer Details   Loan Section   Search   View Transaction   Change Password   Logout

Customer Details

CustomerId	Customer Name	Gender	PhNumber	Address	AccoutNumber	Balance Amount
112233	Raj	Male	9900123456	Nandini Layout	325678	5300
112234	Ajay	Male	9900123465	RT Layout	325679	4800
112235	Reeta	Female	9900123434	Electronic City	325680	5900
112236	Meeta	Female	99001236543	Mahalaximi Layout	325681	6200

Modify the adminHome.html File

This is a sample output of the **Loan Details** section.

Modify the adminHome.html File

This is a sample output of the **Search** section, where the admin can search for customer details using the **Customer Id, Account Number,** or **Phone Number.**

Modify the adminHome.html File

This is a sample output of the **View Transaction Details** section.

Modify the adminHome.html File
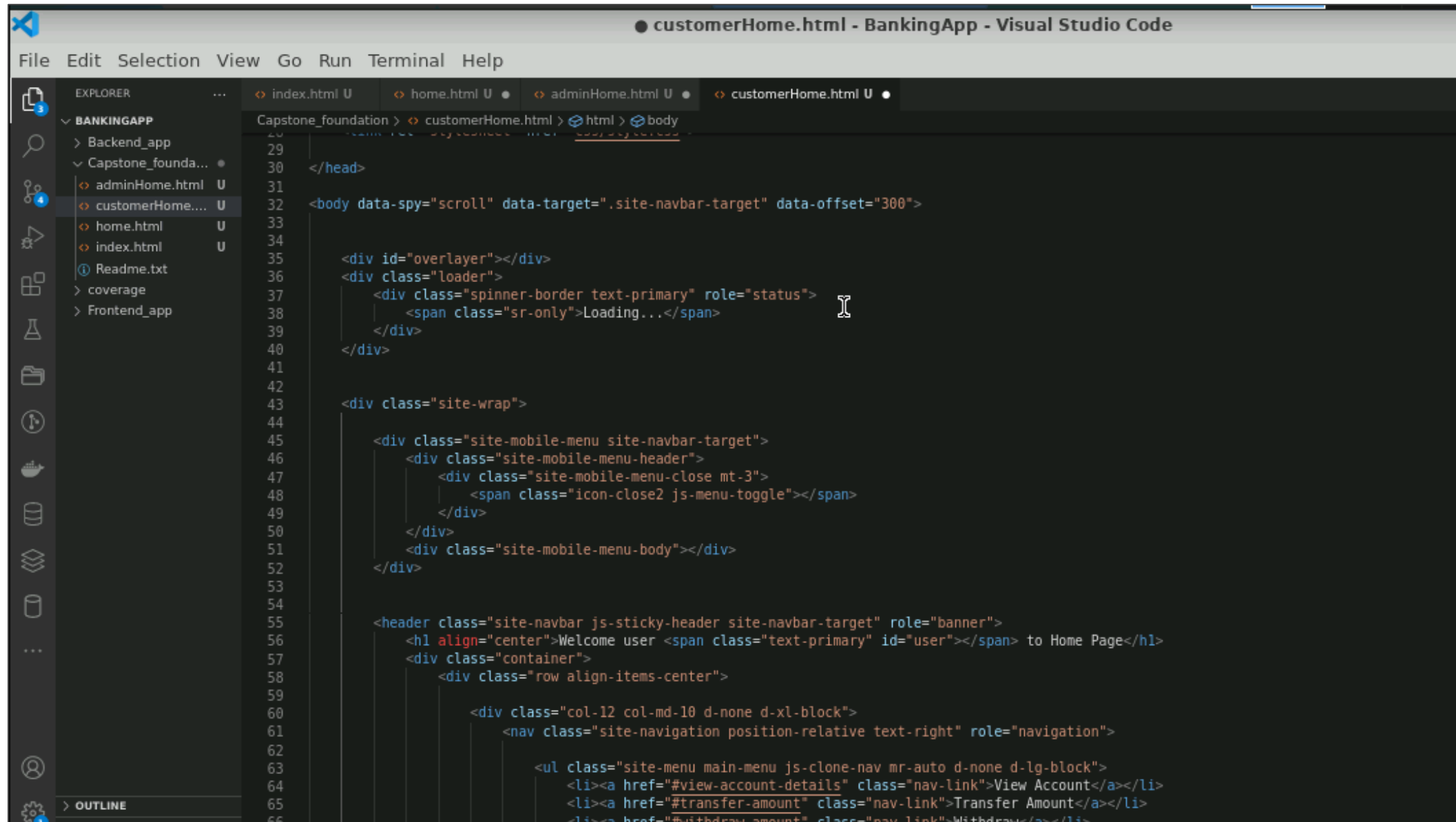
This is a sample output of the **Password Change** section**.**

When the **Logout** option is selected, the application gets redirected to the **Home** page

Modify the customerHome.html File

Modify the **customerHome.html** file to display different sections like view account, transfer amount, withdraw details, deposit details, and view transaction.

Modify the customerHome.html File

This is a sample output of the **customerHome.html** page.

Modify the customerHome.html File

This is a sample output of the **View Account** section.

Modify the customerHome.html File

This is a sample output of the **Transfer Amount** section.

Modify the customerHome.html File

This is a sample output of the **Withdraw** section.

Welcome user **raj** to Home Page

View Account   Transfer Amount   Withdraw   Deposit   View Transaction   Change Password

Request   Logout

From Account Number

Amount

WITHDRAW

Modify the customerHome.html File

This is a sample output of the **Deposit** section.

Modify the customerHome.html File

This is a sample output of the **View Transaction** section.

Modify the customerHome.html File

This is a sample output of the **Change Password** section.

Modify the customerHome.html File

This is a sample output of the **Request** section.

Welcome user **raj** to Home Page

View Account   Transfer Amount   Withdraw   Deposit   View Transaction   Change Password   Request   Logout

Contact Form

First Name   Last Name

Email

Subject

Message

Write your notes or questions here...

Send Message

When the **Logout** option is selected, the application gets redirected to the **Home** page

Conclusion

By the end of the session, it is expected that:

- All the required HTML pages are created based on the user stories written using Agile.
- All HTML pages are connected using a hyperlink or button.
- All forms required for the HTML pages are created based on the type of web page.
- All the web pages must show static data for the banking web application.
- All web pages should use static styling, which can be applied using various types of CSS.

Thank you