

LittleHelp

Home services web application

@Sujaramesh on GitHub

Description

This web application is created by the HOA of a subdivision for its residents. This app will help the residents to obtain contact information of the service providers like handymen, plumbers, lawn mowers, painters, housekeepers etc.

Features

- ▶ Users: Users can view the list of services available, each service links to the information about the service providers that offer the particular service.
- ▶ Service Providers: The existing service providers can log in with their user id and password and they can update their information in the database. The new service providers have to sign up first to enter the details of the service they provide.
- ▶ Admin: The Admin maintains the LittleHelp database, the Admin has access to delete a service provider entry, the Admin has access to add a new service category to the database and the admin has right to reset the service provider's password.

Planning - User Stories

- ▶ The users can see the list of services available in the LittleHelp DB
- ▶ Each service, links to the contact information of the service provider
- ▶ Service providers need a valid credentials to update their contact details in the system
- ▶ Admin maintains the database.

Planning - Database

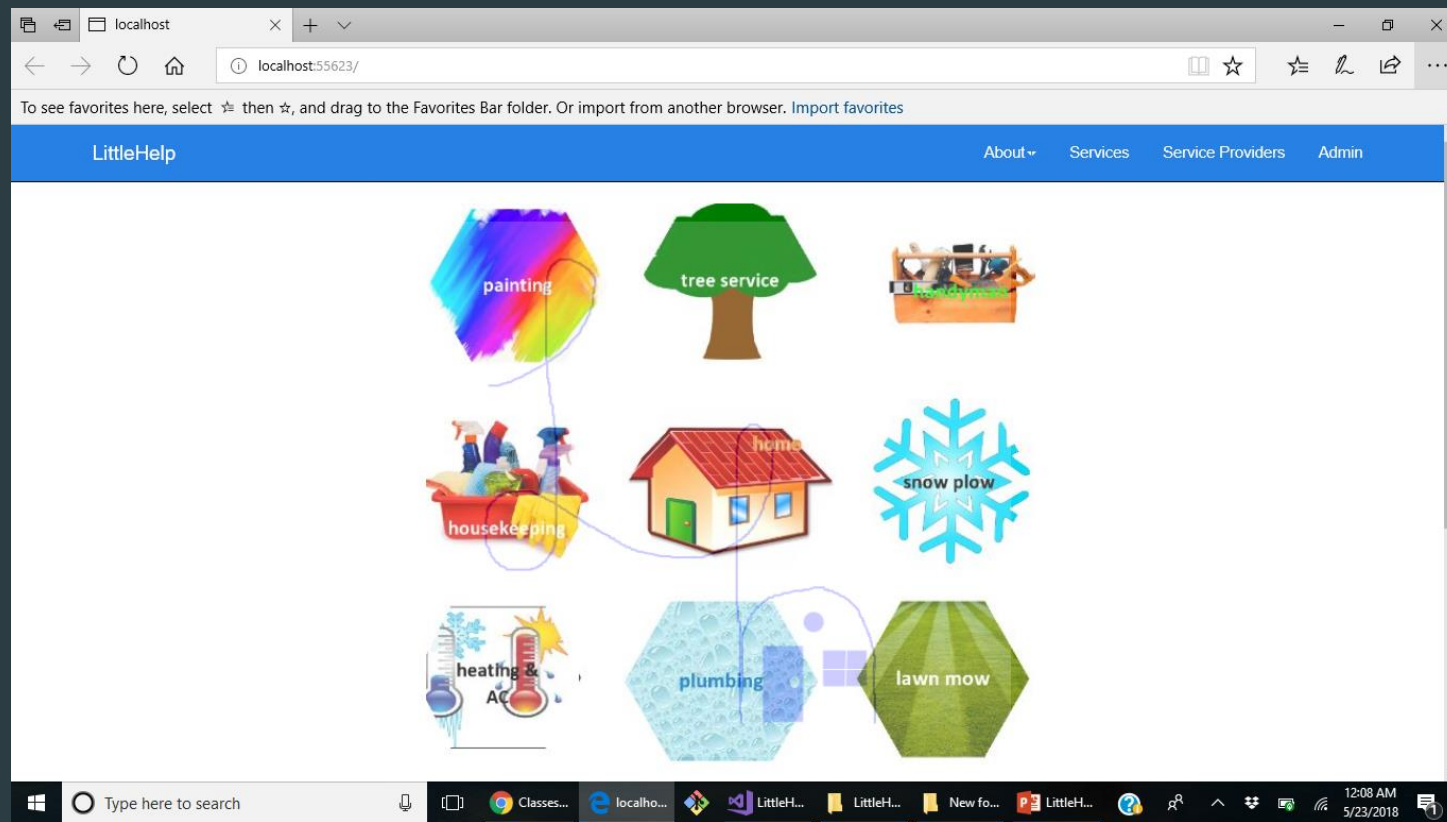
- ▶ The LittleHelpMVC database has
 - ▶ User table : This table has login details of the service providers
 - ▶ Helpers table : This Helpers table has the contact information and the service provided by each provider.
 - ▶ Categories table : This table has entries regarding the services available in the system.
 - ▶ one-many relationship exists between helpers and categories table.

Technology Stack

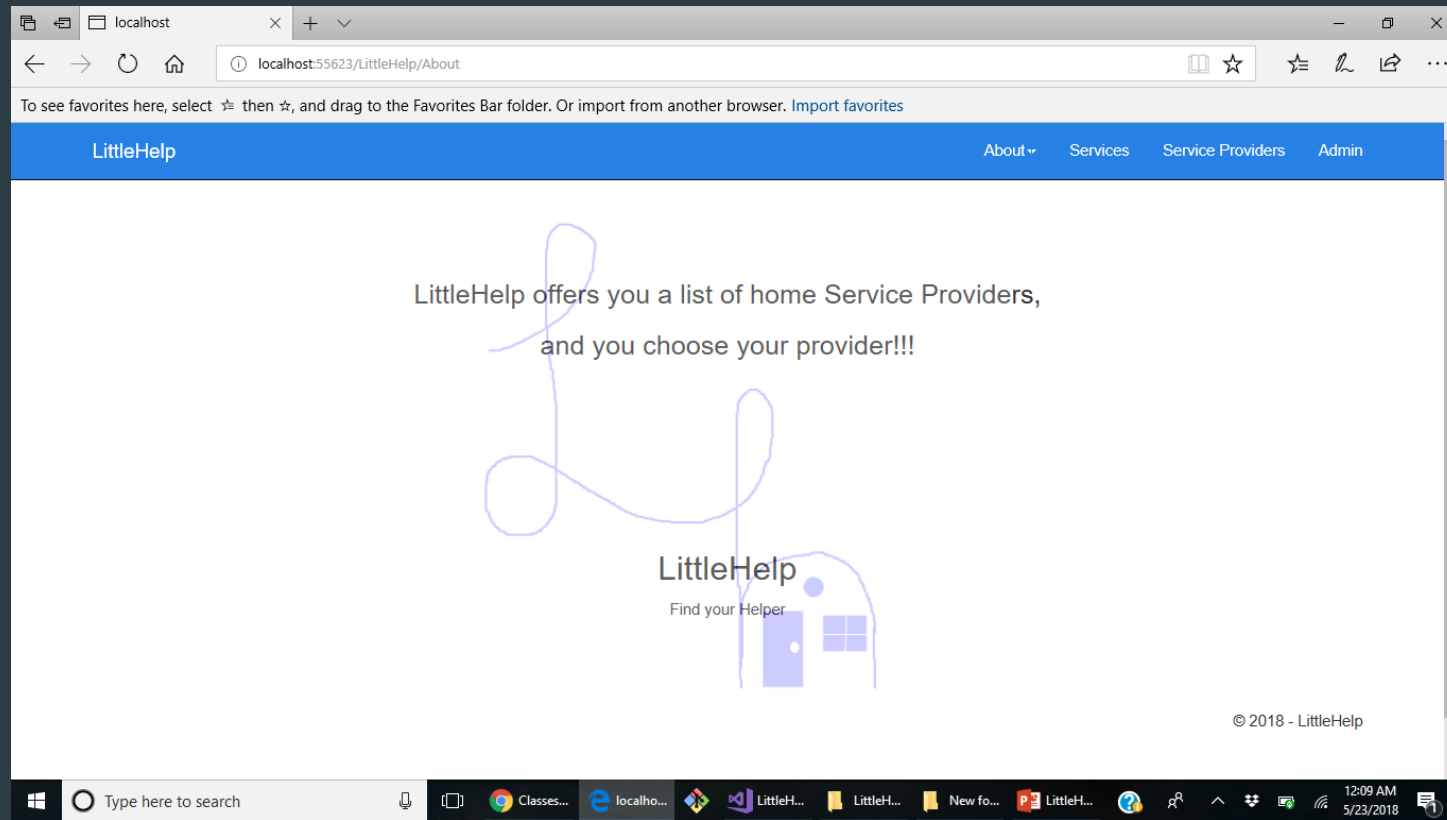
- ▶ Language : C#
- ▶ ASP.Net Core MVC
- ▶ Bootstrap
- ▶ SQL Server

DEMO

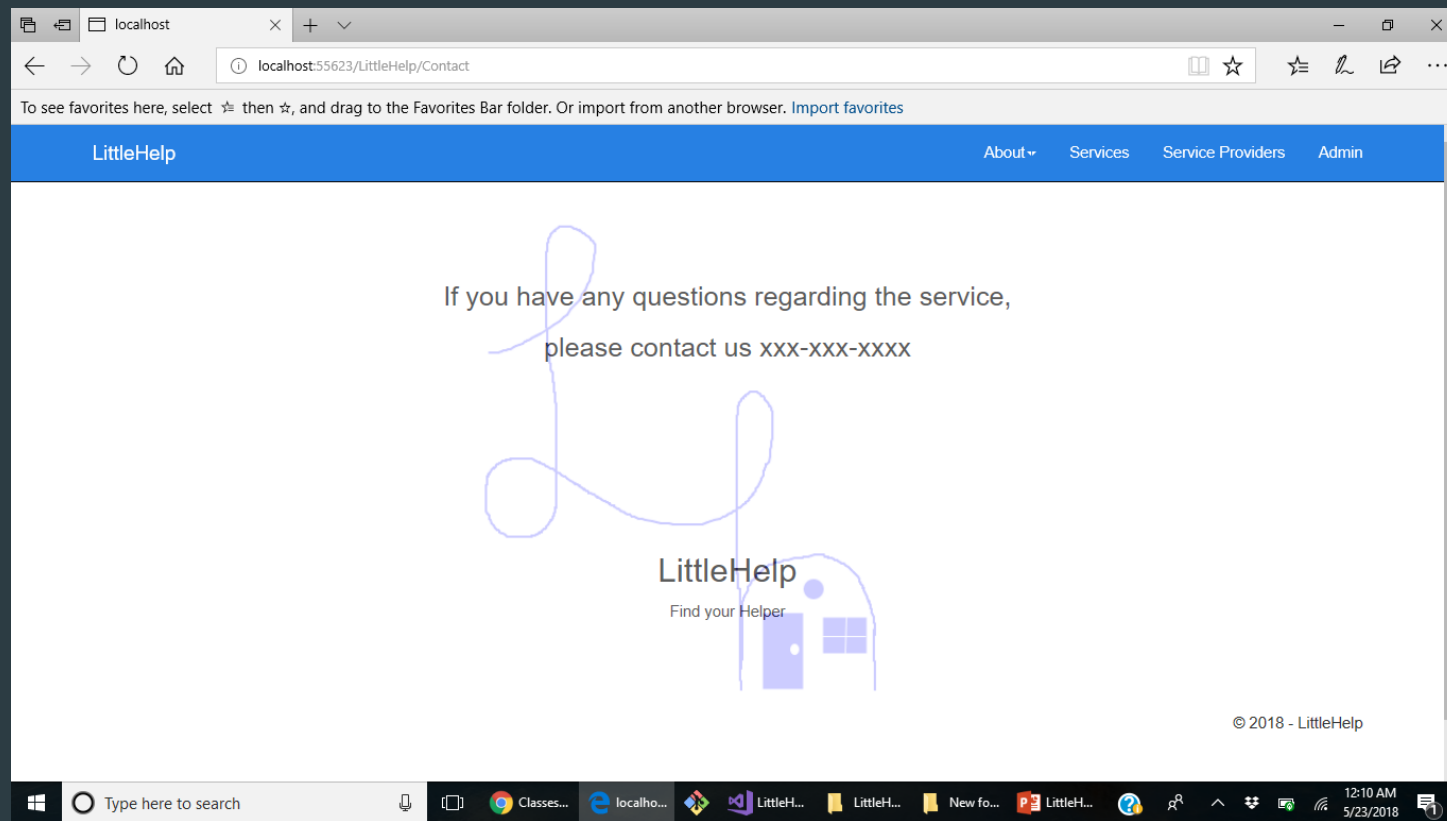
Demo - Home Page



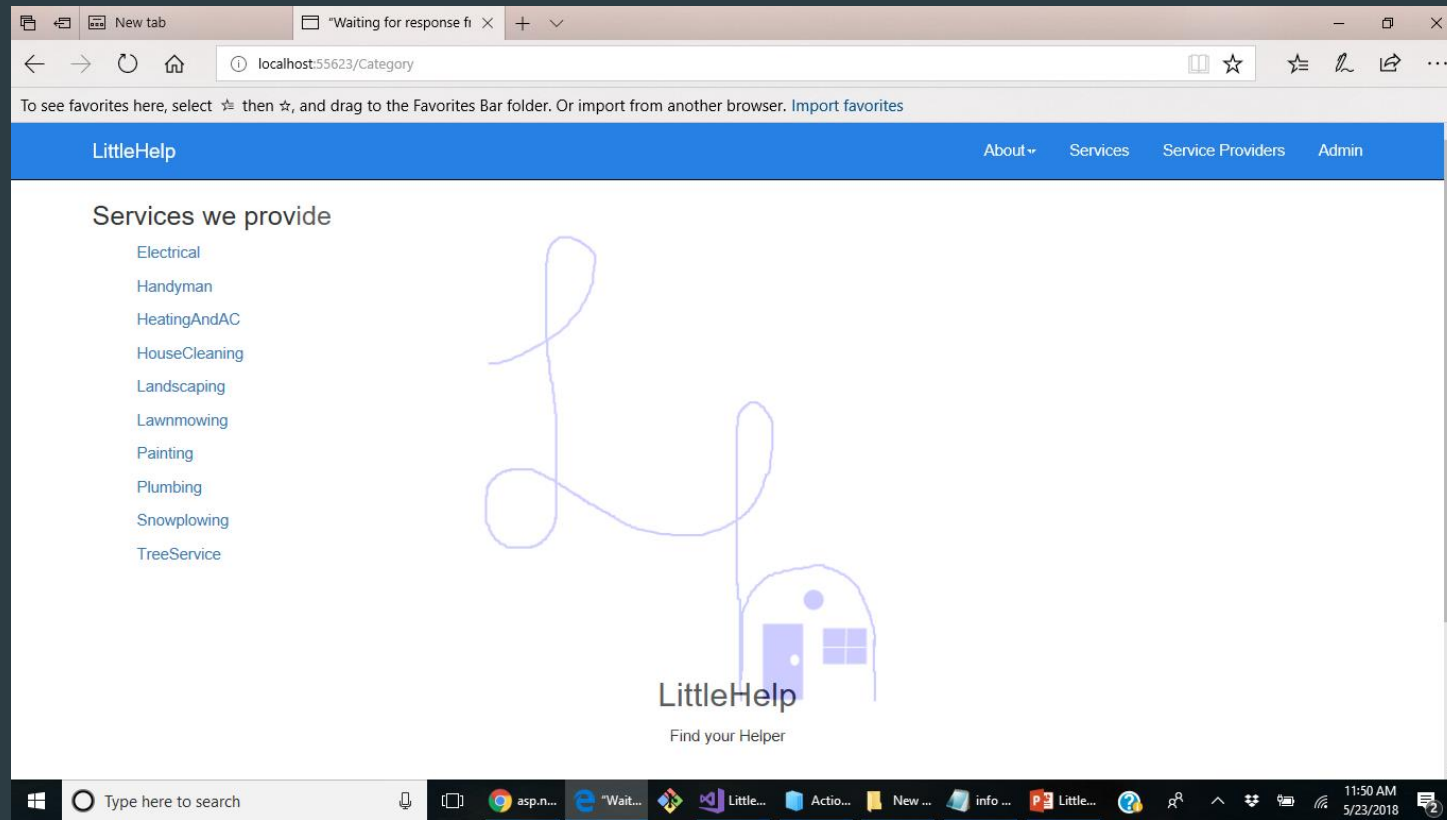
Demo - About



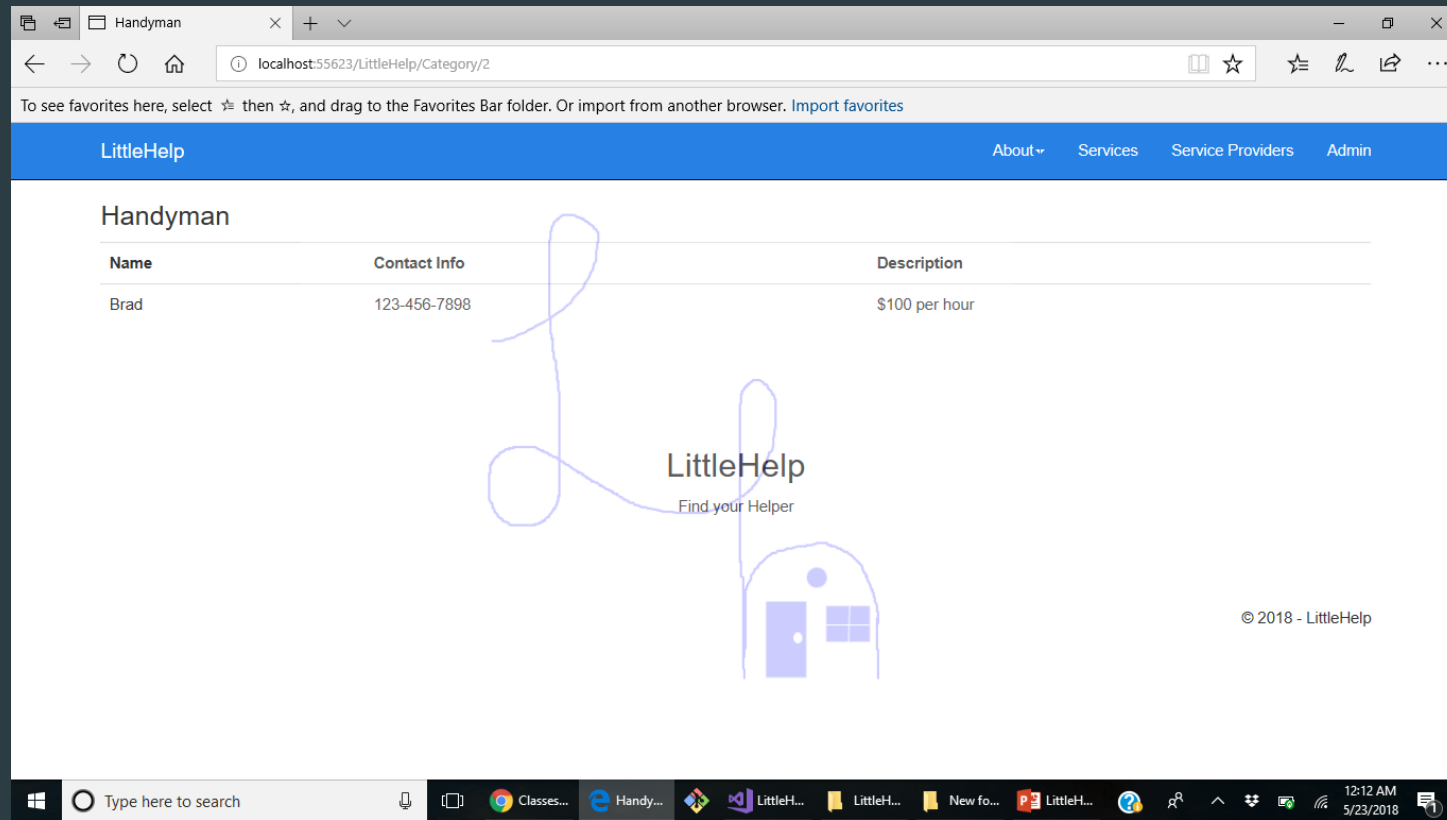
Demo - Contact us



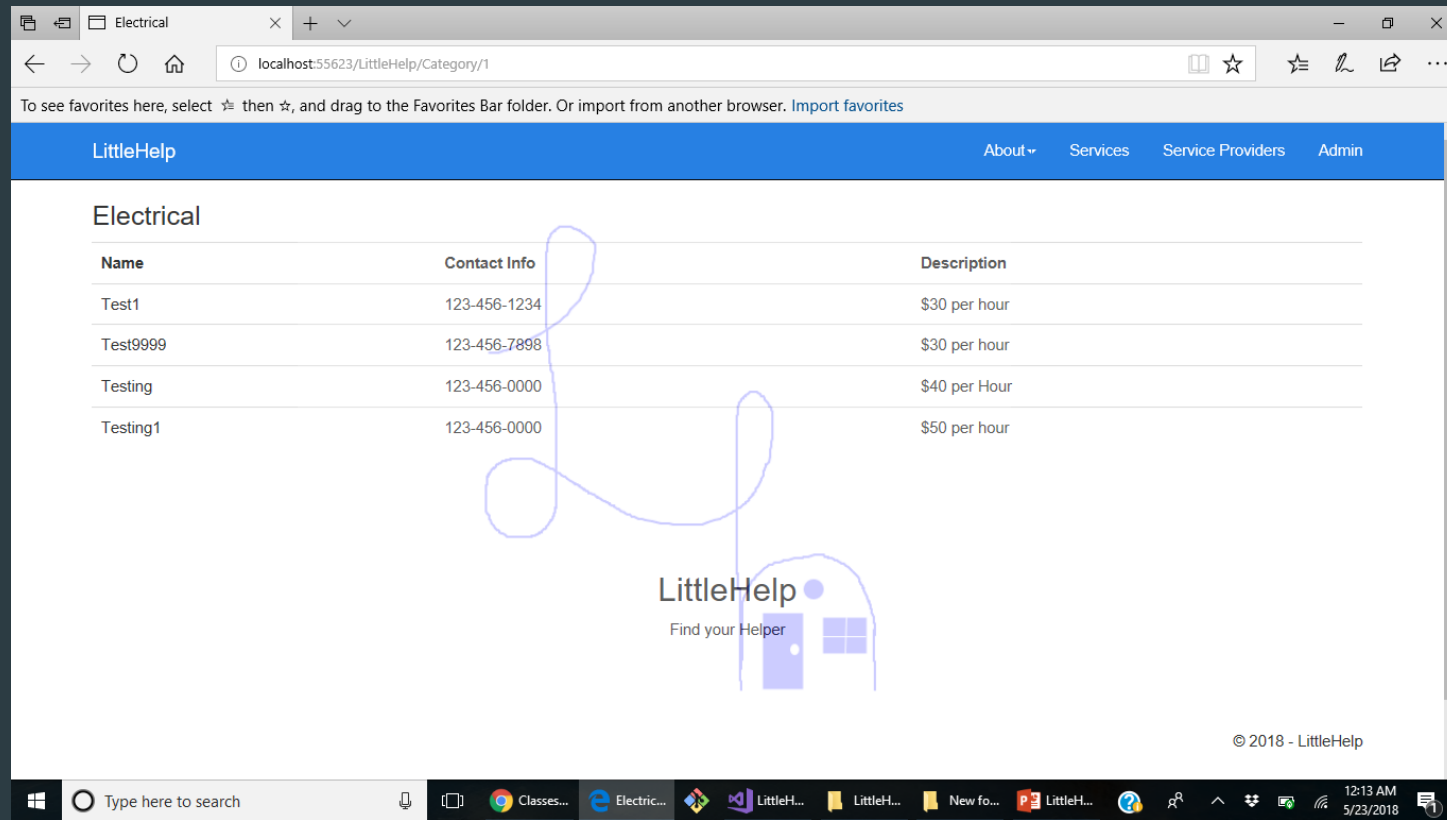
Demo - Services



Demo - Handyman



Demo - Electrical



The screenshot shows a web browser window with the address bar displaying `localhost:55623/LittleHelp/Category/1`. The page title is "Electrical". The navigation bar includes "LittleHelp" and links for "About", "Services", "Service Providers", and "Admin".

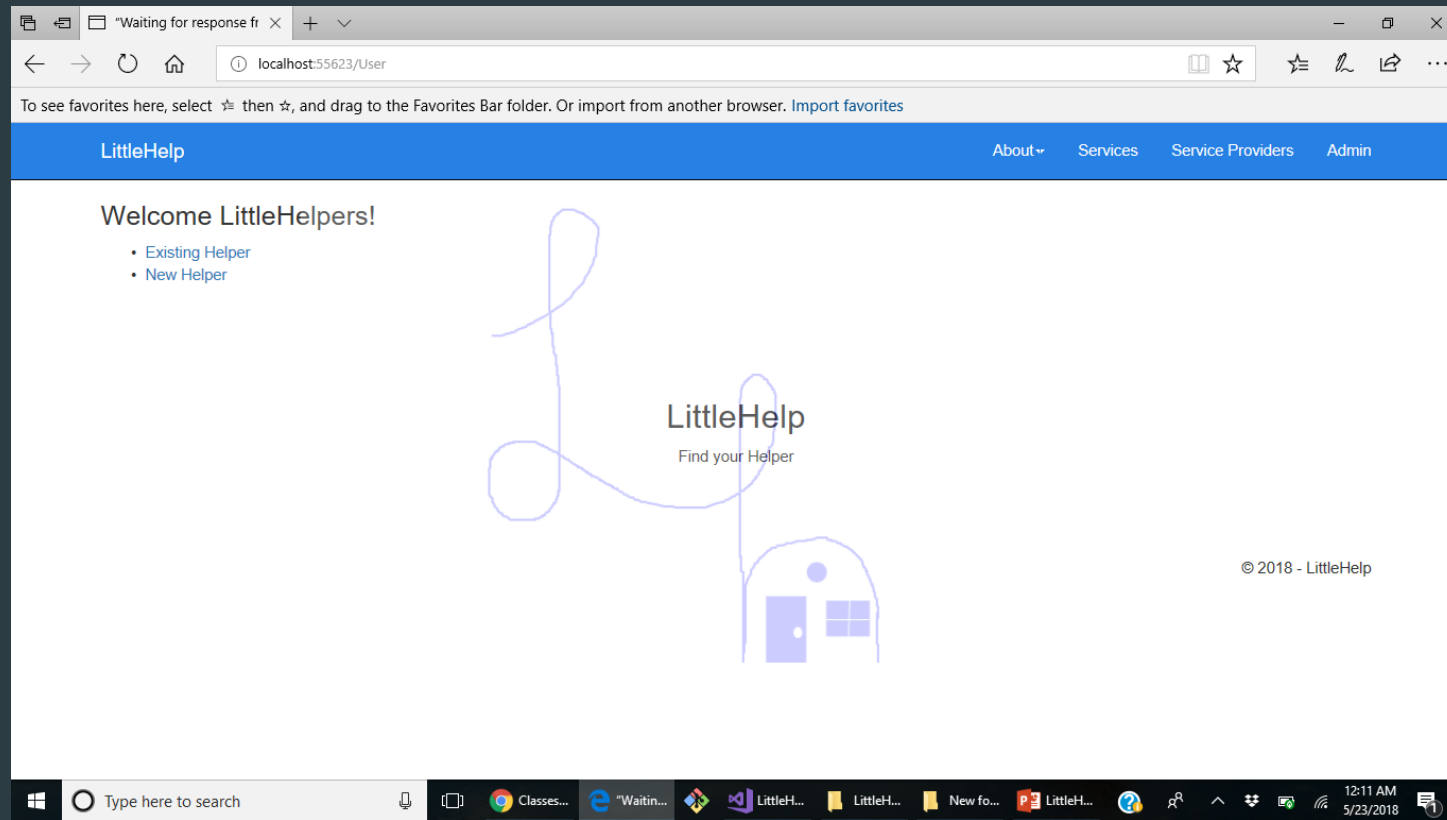
The main content area displays a table with the following data:

Name	Contact Info	Description
Test1	123-456-1234	\$30 per hour
Test9999	123-456-7898	\$30 per hour
Testing	123-456-0000	\$40 per Hour
Testing1	123-456-0000	\$50 per hour

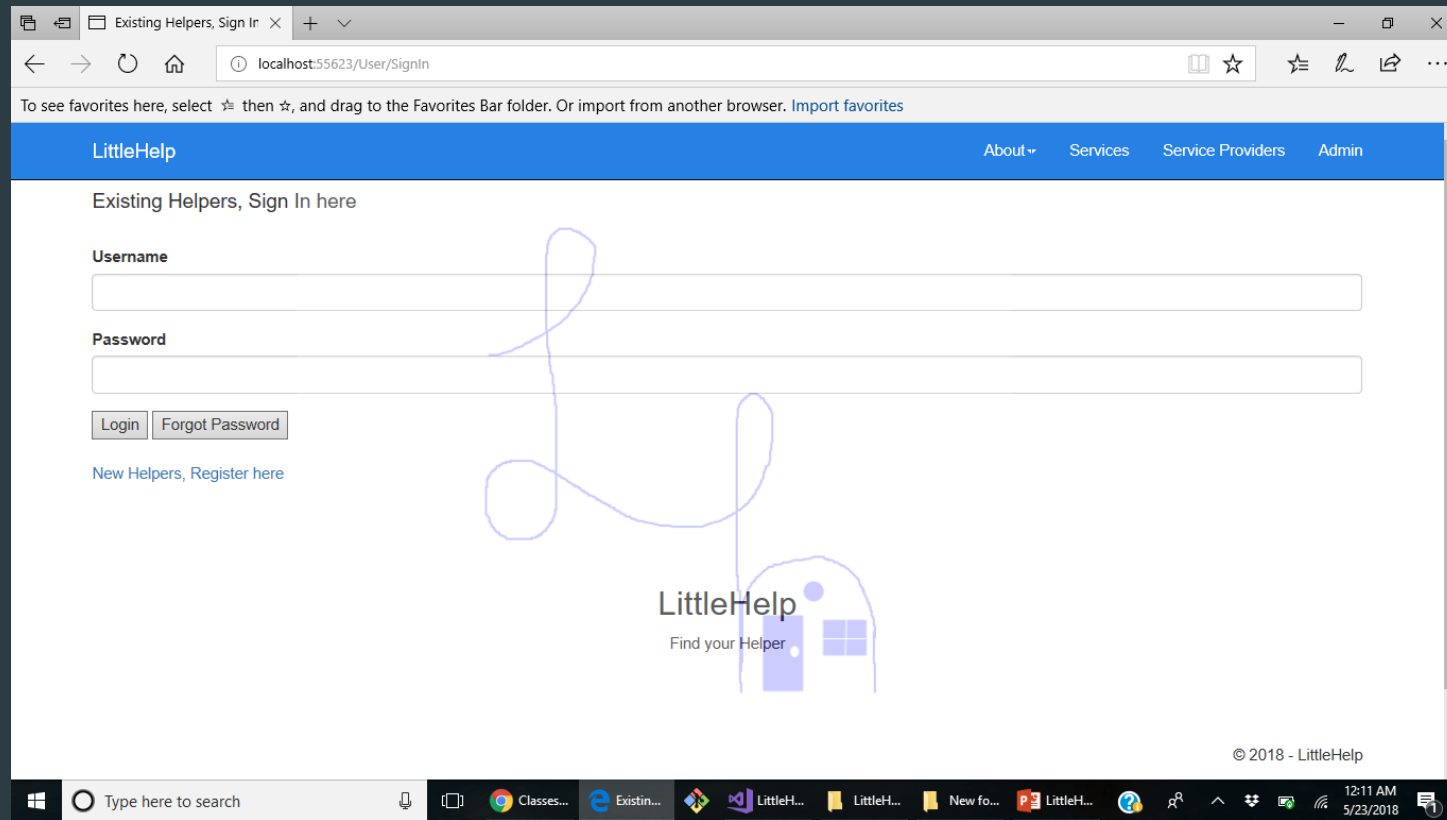
Below the table is a search bar with the text "Find your Helper" and a magnifying glass icon. The search bar is labeled "LittleHelp" and "Find your Helper".

The footer of the page displays "© 2018 - LittleHelp".

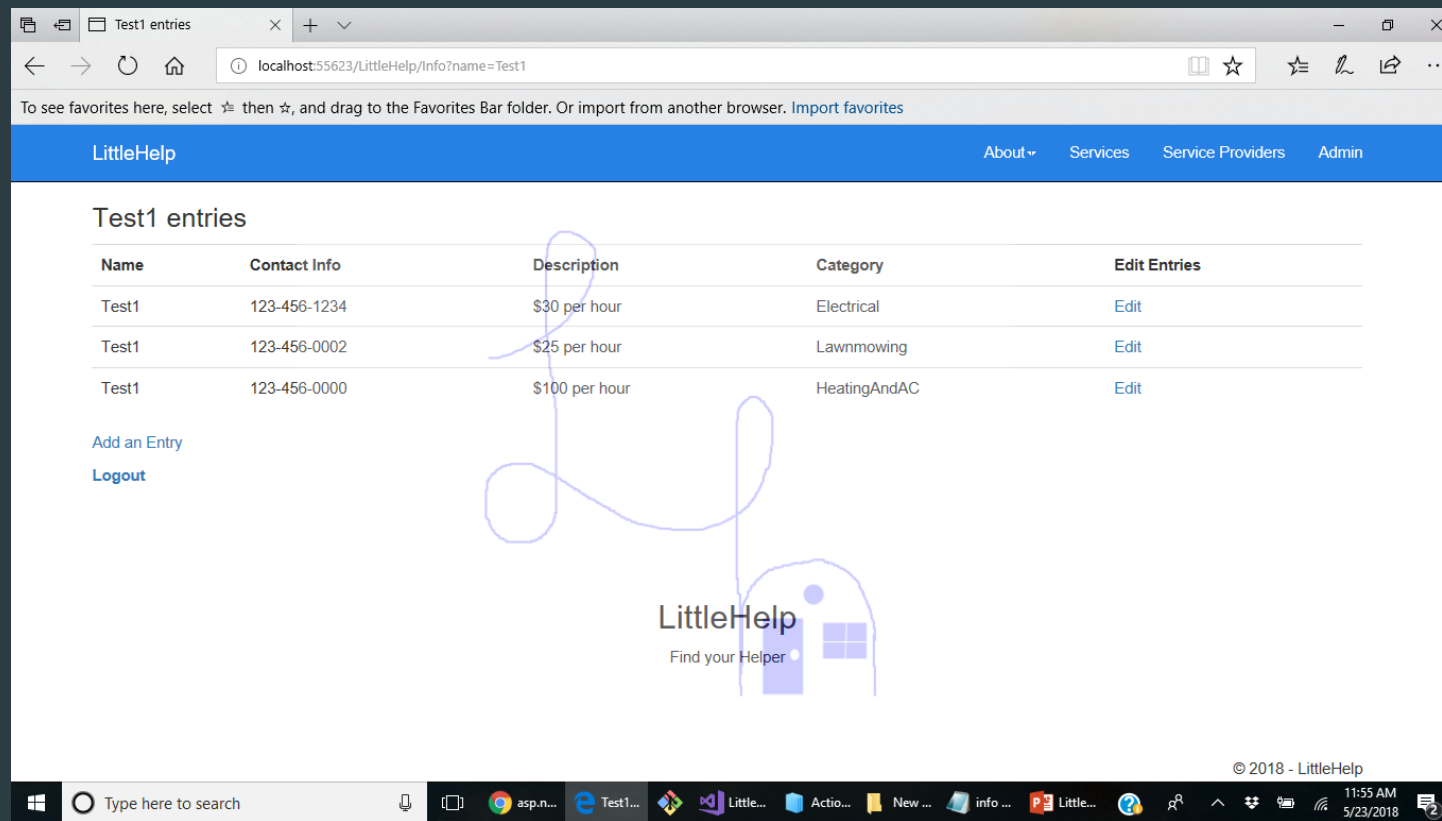
Demo - Service Providers



Demo - Existing Helper



Demo - Existing Helper, Main page



The screenshot shows a web browser window displaying the 'Test1 entries' page of the LittleHelp application. The browser's address bar shows the URL 'localhost:55623/LittleHelp/info?name=Test1'. The page has a blue header with the 'LittleHelp' logo and navigation links: 'About', 'Services', 'Service Providers', and 'Admin'. Below the header, the title 'Test1 entries' is followed by a table with five columns: 'Name', 'Contact Info', 'Description', 'Category', and 'Edit Entries'. The table contains three rows of test data. To the left of the table are links for 'Add an Entry' and 'Logout'. At the bottom of the page is a search bar with the text 'Find your Helper' and a logo. The footer shows the copyright '© 2018 - LittleHelp'. The Windows taskbar at the bottom indicates the time is 11:55 AM on 5/23/2018.

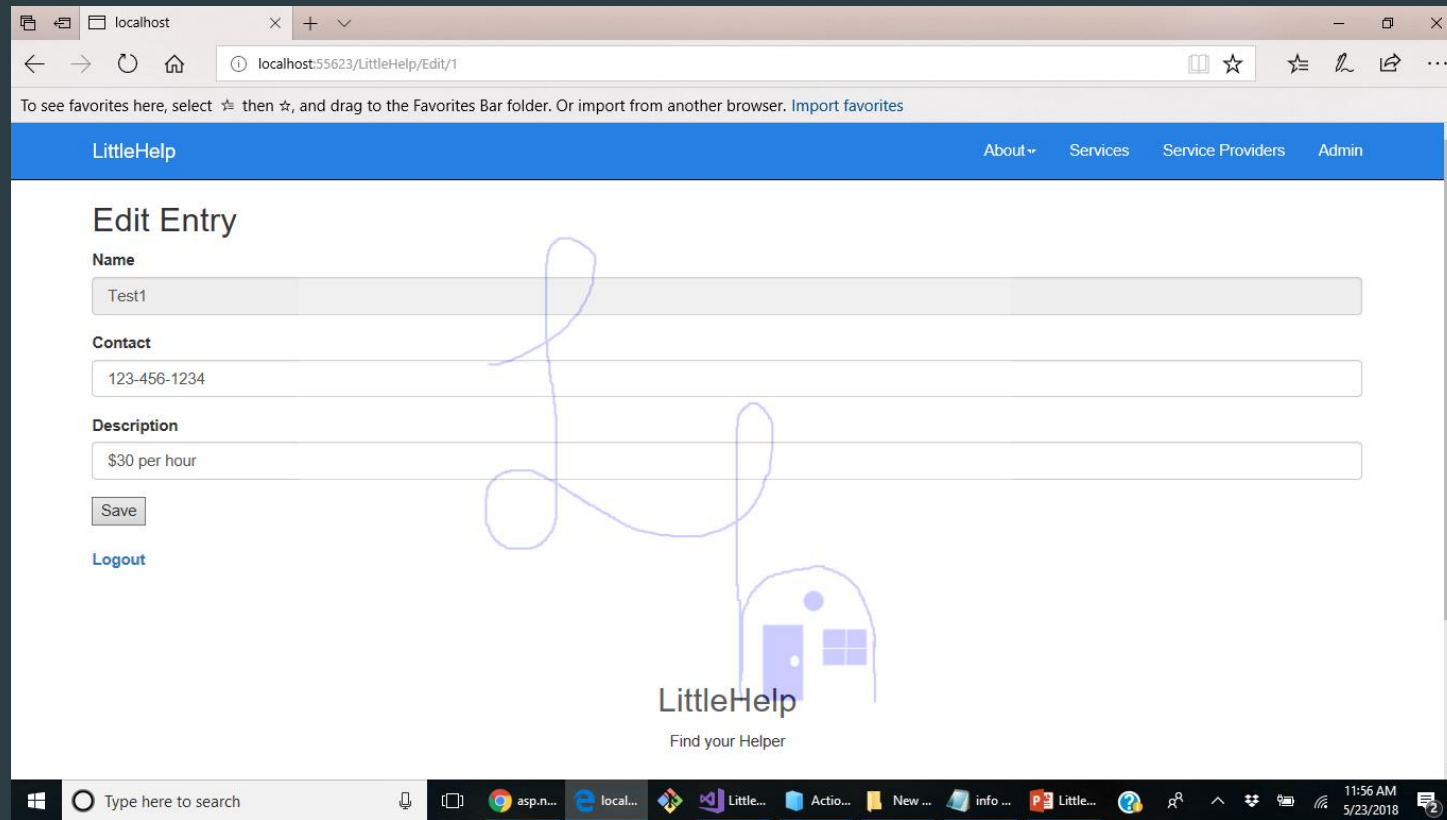
Name	Contact Info	Description	Category	Edit Entries
Test1	123-456-1234	\$30 per hour	Electrical	Edit
Test1	123-456-0002	\$25 per hour	Lawnmowing	Edit
Test1	123-456-0000	\$100 per hour	HeatingAndAC	Edit

[Add an Entry](#)
[Logout](#)

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Demo - Existing Helper, Edit Entry



localhost

localhost:55623/LittleHelp/Edit/1

To see favorites here, select ☆ then ☆, and drag to the Favorites Bar folder. Or import from another browser. Import favorites

LittleHelp

About ~ Services Service Providers Admin

Edit Entry

Name

Test1

Contact


123-456-1234

Description

\$30 per hour

Save

[Logout](#)


LittleHelp
Find your Helper

Windows taskbar: Type here to search, asp.n..., local..., Little..., Actio..., New ..., info ..., Little..., 11:56 AM 5/23/2018

Demo - Existing Helper, Add an entry

Test1

localhost:55623/LittleHelp/Add?name=Test1

To see favorites here, select ☆ then ☆, and drag to the Favorites Bar folder. Or import from another browser. Import favorites

LittleHelp

About ~ Services Service Providers Admin

Test1, Add your details

Name

Test1

Contact

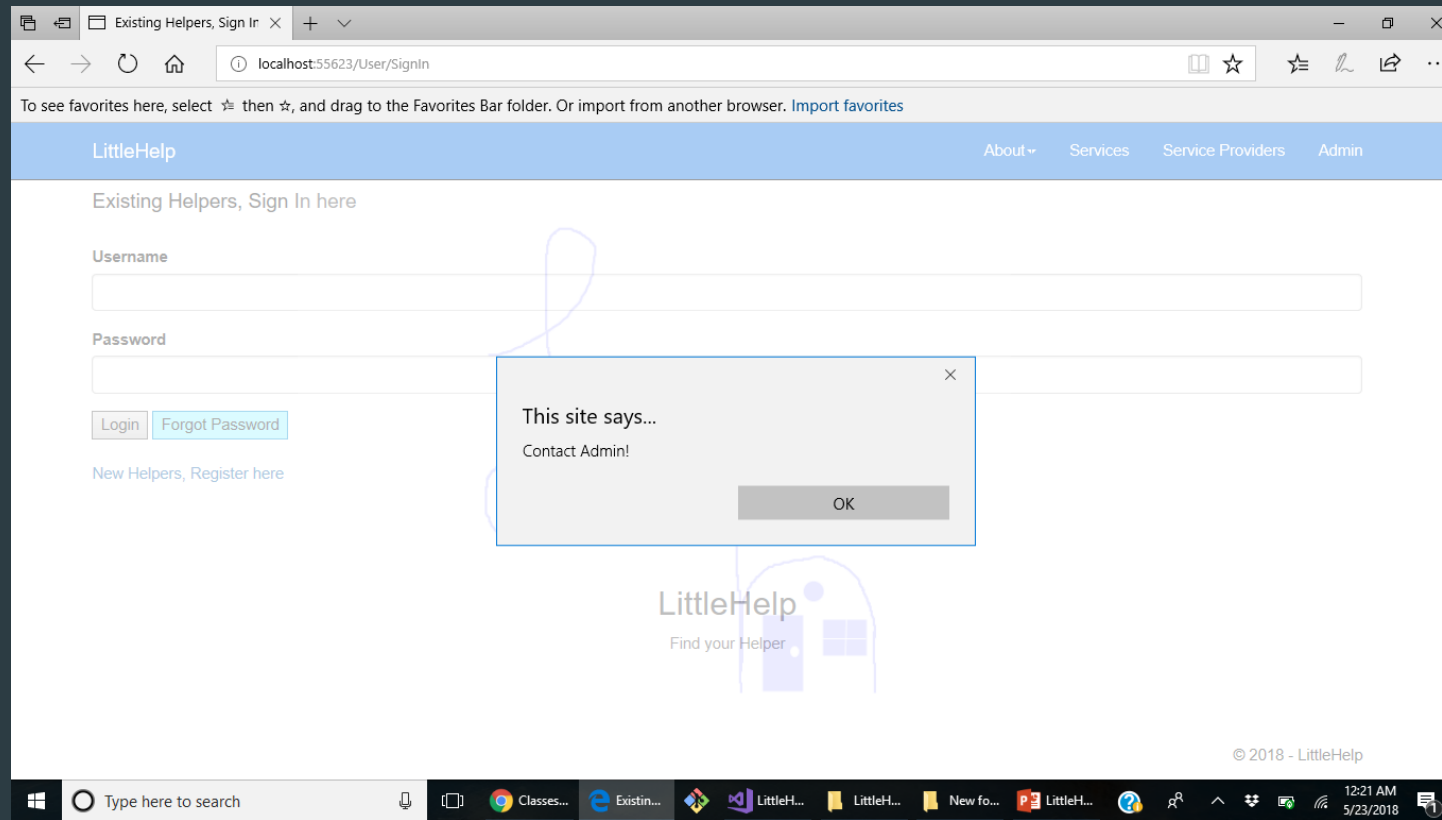
Description

Category Electrical

Add

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Find your Helper

Demo - Existing Helper, Forgot Password



Demo - New Helper

New Helpers, Register here

Username

Screenname

Email

Password

Verify Password

Windows taskbar: Type here to search, Classes..., New H..., LittleH..., LittleH..., New fo..., LittleH..., 12:12 AM 5/23/2018

Demo - New Helper, Sign up

New Helpers, Register here

Username

Screenname

Email

Password

Verify Password

Demo - New Helper, Add an entry

Testing999

localhost:55623/LittleHelp/Add?name=Testing999

To see favorites here, select ☆ then ☆, and drag to the Favorites Bar folder. Or import from another browser. Import favorites

LittleHelp About Services Service Providers Admin

Testing999, Add your details

Name
Testing999

Contact
123-456-7891

Description
\$25 per hour

Category HouseCleaning

Add

LittleHelp
Find your Helper

Type here to search

asp.n... Testi... Little... Actio... New ... info ... Little... 12:01 PM 5/23/2018

Demo - New Helper, Main page

The screenshot shows a web browser window displaying the 'Testing999 entries' page of the LittleHelp application. The browser's address bar shows the URL 'localhost:55623/LittleHelp/info?name=Testing999'. The page features a blue navigation bar with the 'LittleHelp' logo and links for 'About', 'Services', 'Service Providers', and 'Admin'. Below the navigation bar, the page title 'Testing999 entries' is displayed. A table lists the entry details, and a large, stylized 'L' watermark is overlaid on the page. The footer includes the 'LittleHelp' logo, the tagline 'Find your Helper', and the copyright notice '© 2018 - LittleHelp'.

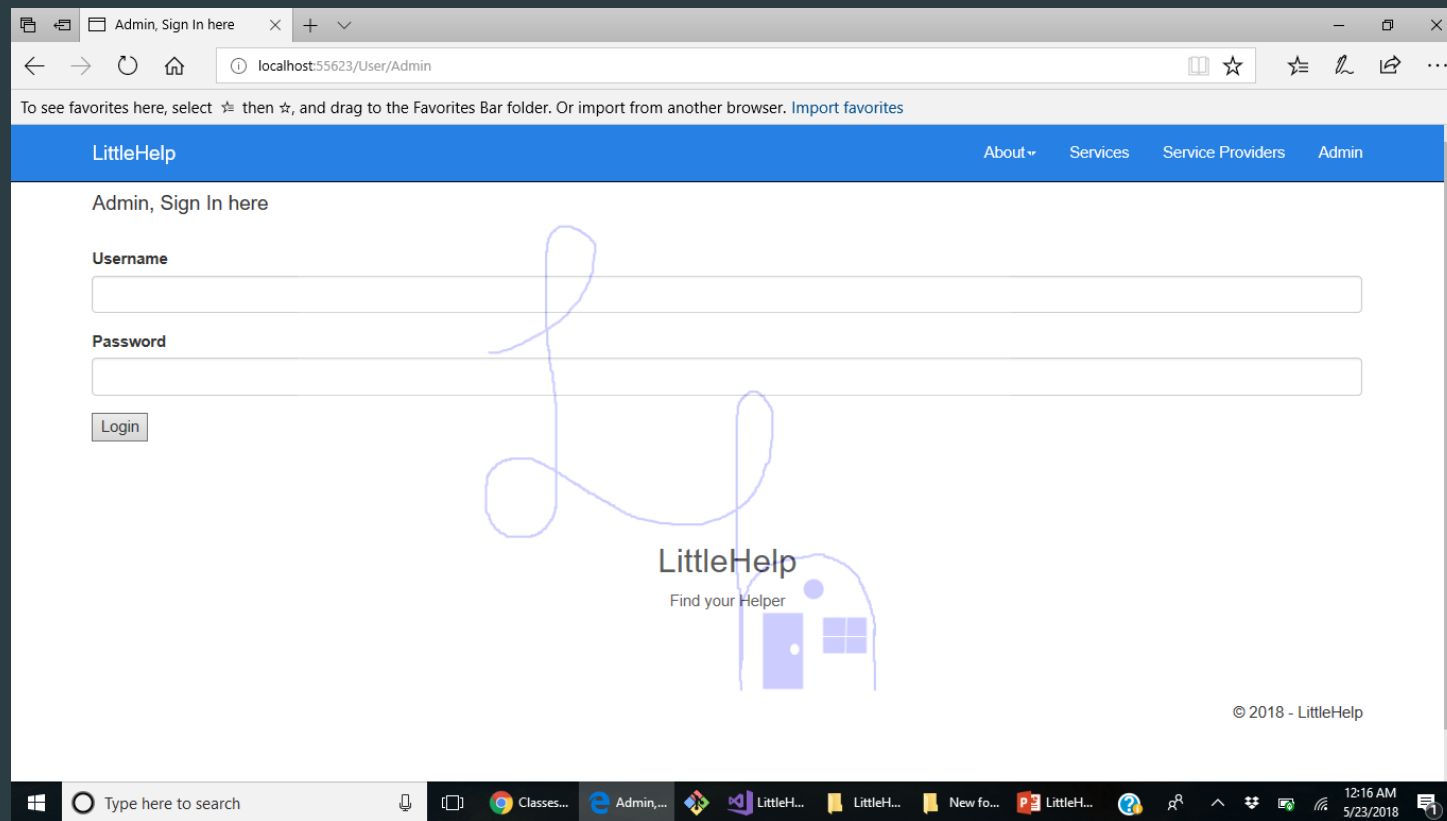
Name	Contact Info	Description	Category	Edit Entries
Testing999	123-456-7891	\$25 per hour	HouseCleaning	Edit

[Add an Entry](#)
[Logout](#)

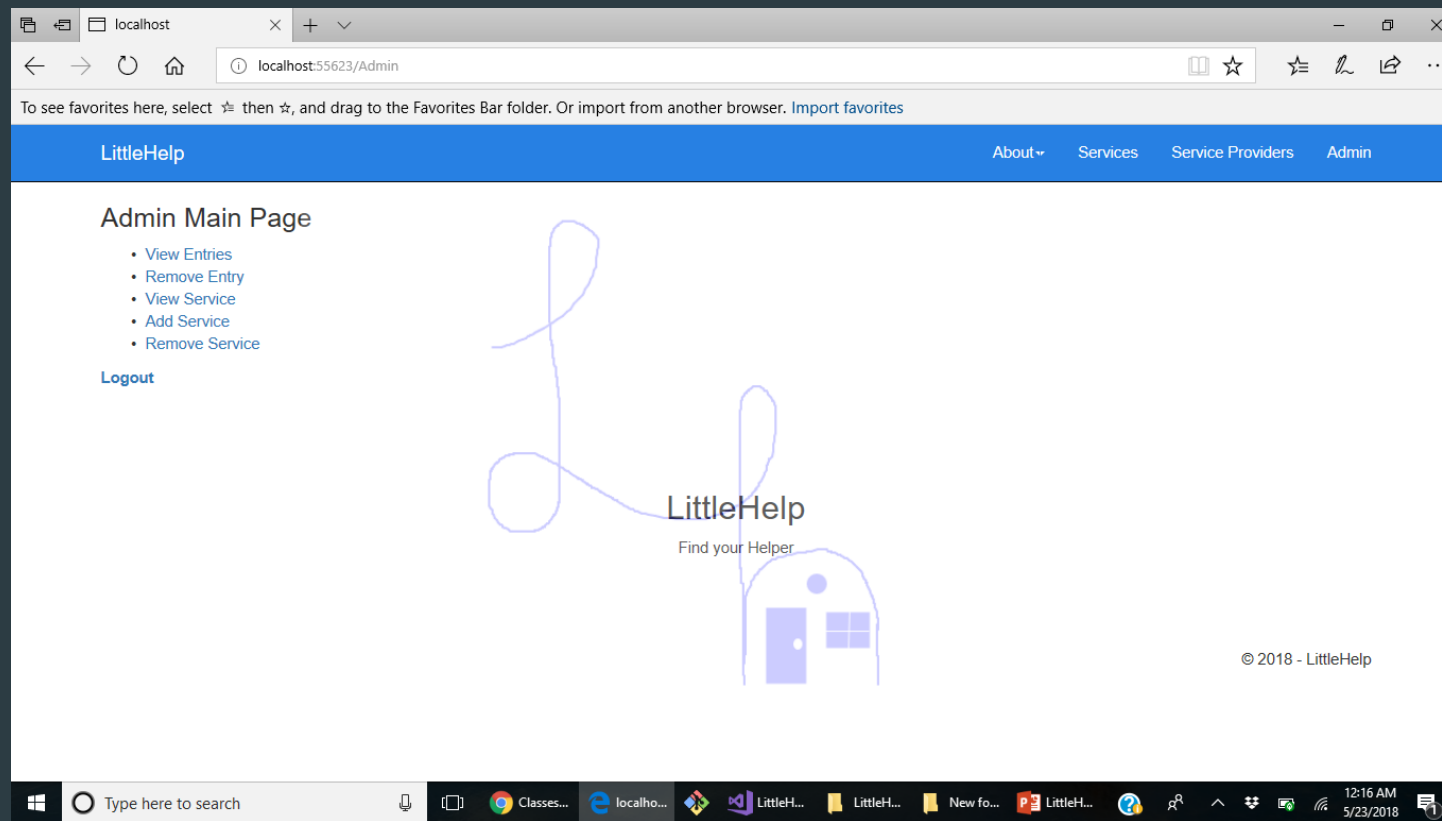
LittleHelp
Find your Helper

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Demo - Admin



Demo - Admin's Main Page



Demo - Admin, View Entries

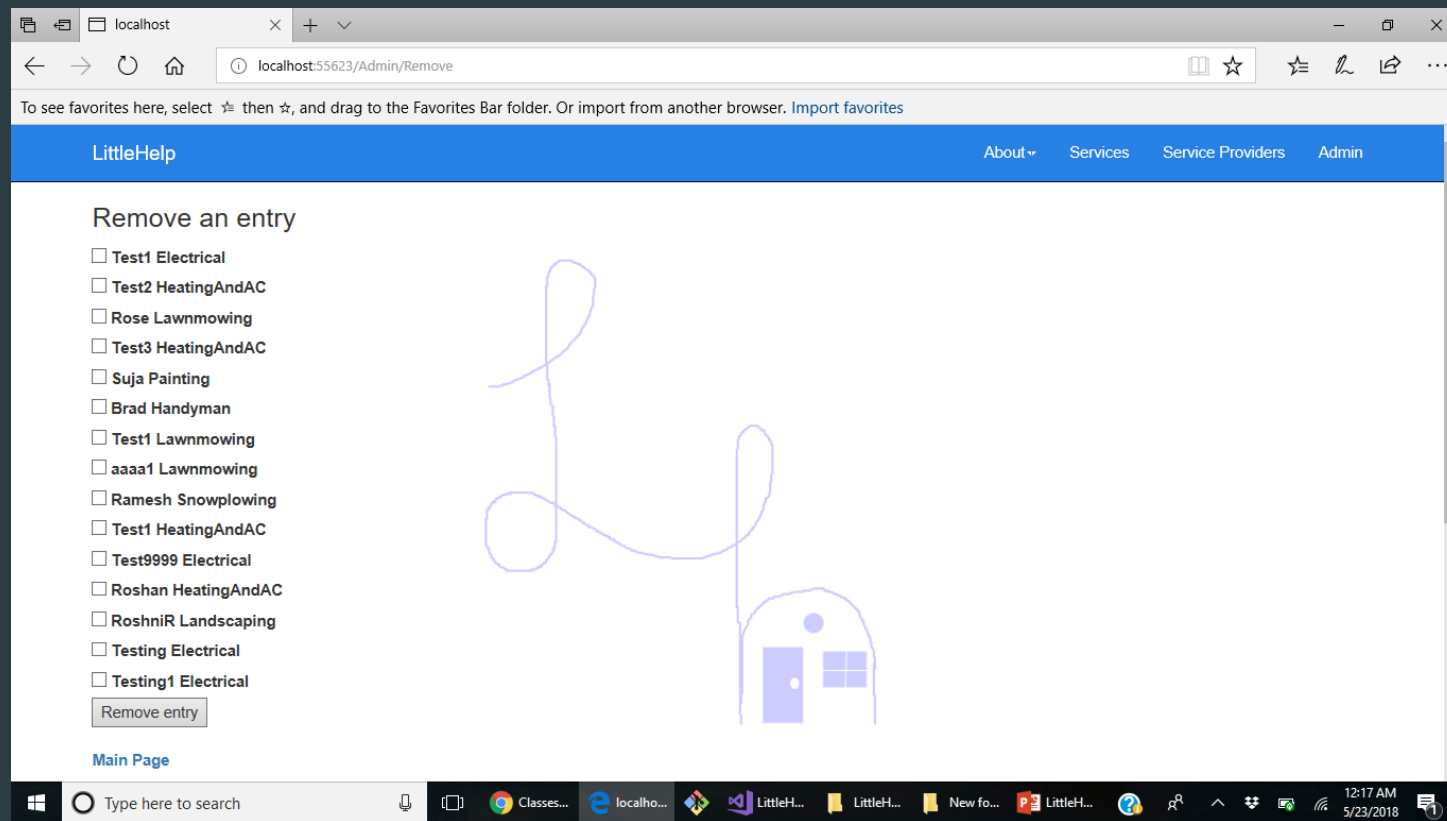
The screenshot shows a web browser window with the address bar displaying `localhost:55623/Admin/Entries`. The page has a blue header with the title "LittleHelp" and navigation links: "About", "Services", "Service Providers", and "Admin". Below the header, the page is titled "Little Help" and contains a table with the following columns: "Name", "Contact Info", "Description", "Category", and "Reset Password".

Name	Contact Info	Description	Category	Reset Password
Test1	123-456-1234	\$30 per hour	Electrical	Change
Test2	123-456-1234	\$100 per hour	HeatingAndAC	Change
Rose	123-456-789	\$45 per Hour	Lawnmowing	Change
Test3	123-456-0000	\$100 per hour	HeatingAndAC	Change
Suja	123-456-0000	\$50 per hour	Painting	Change
Brad	123-456-7898	\$100 per hour	Handyman	Change
Test1	123-456-0002	\$25 per hour	Lawnmowing	Change
aaaa1	123-456-0000	\$20 per hour	Lawnmowing	Change
Ramesh	123-456-7890	\$100 per hour	Snowplowing	Change
Test1	123-456-0000	\$100 per hour	HeatingAndAC	Change
Test9999	123-456-7898	\$30 per hour	Electrical	Change
Roshan	123-456-0002	\$100 per hour	HeatingAndAC	Change

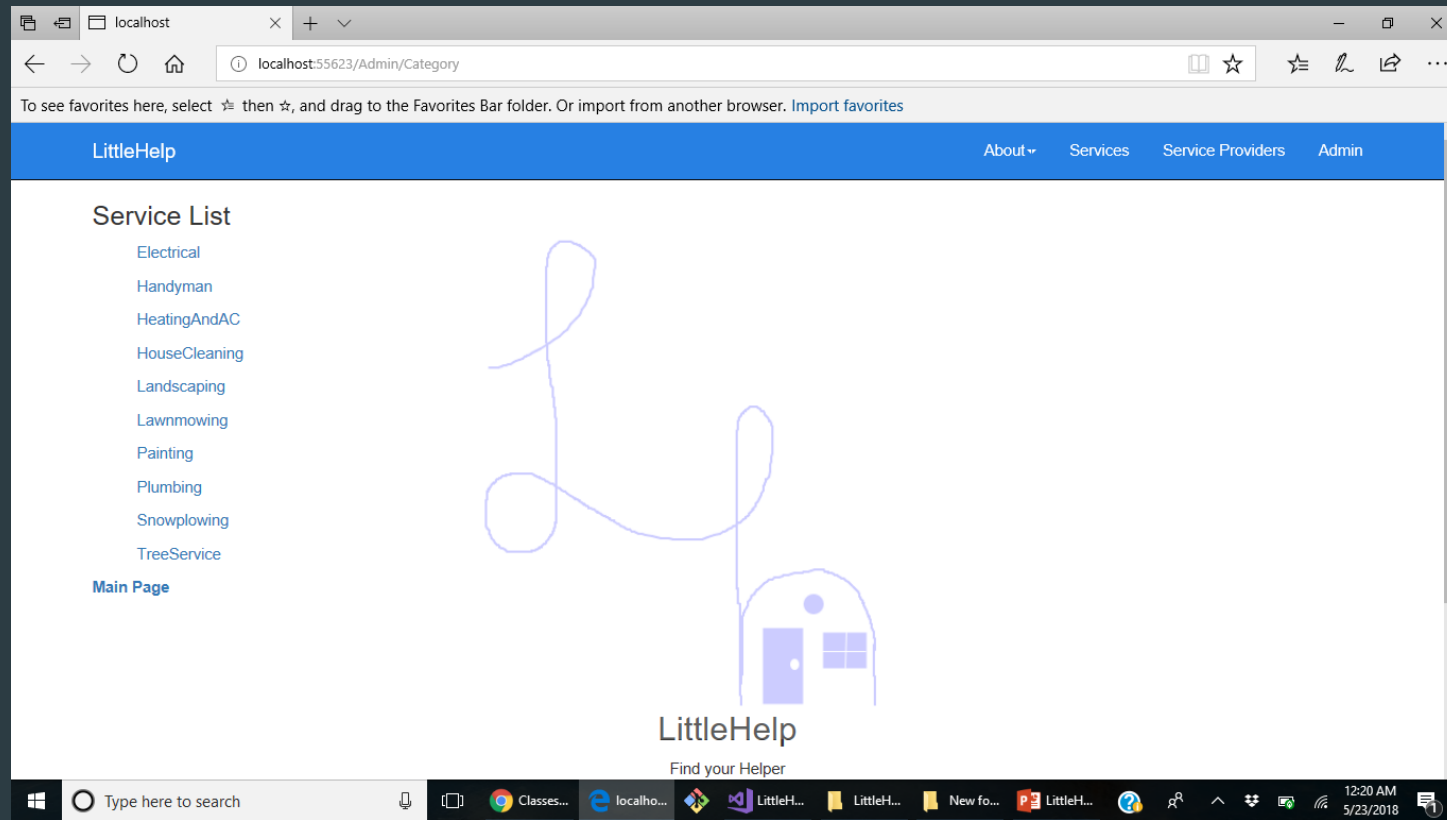
Handwritten blue annotations are present on the table: a large loop around the "Description" column for the first three rows, a loop around the "Description" column for the "Test1" row with contact info "123-456-0002", and a box around the "Category" column for the "Test1" row with contact info "123-456-0000".

The Windows taskbar at the bottom shows the search bar, task view button, and several open applications: "Classes...", "Little H...", "LittleH...", "New fo...", and "LittleH...". The system clock indicates 12:17 AM on 5/23/2018.

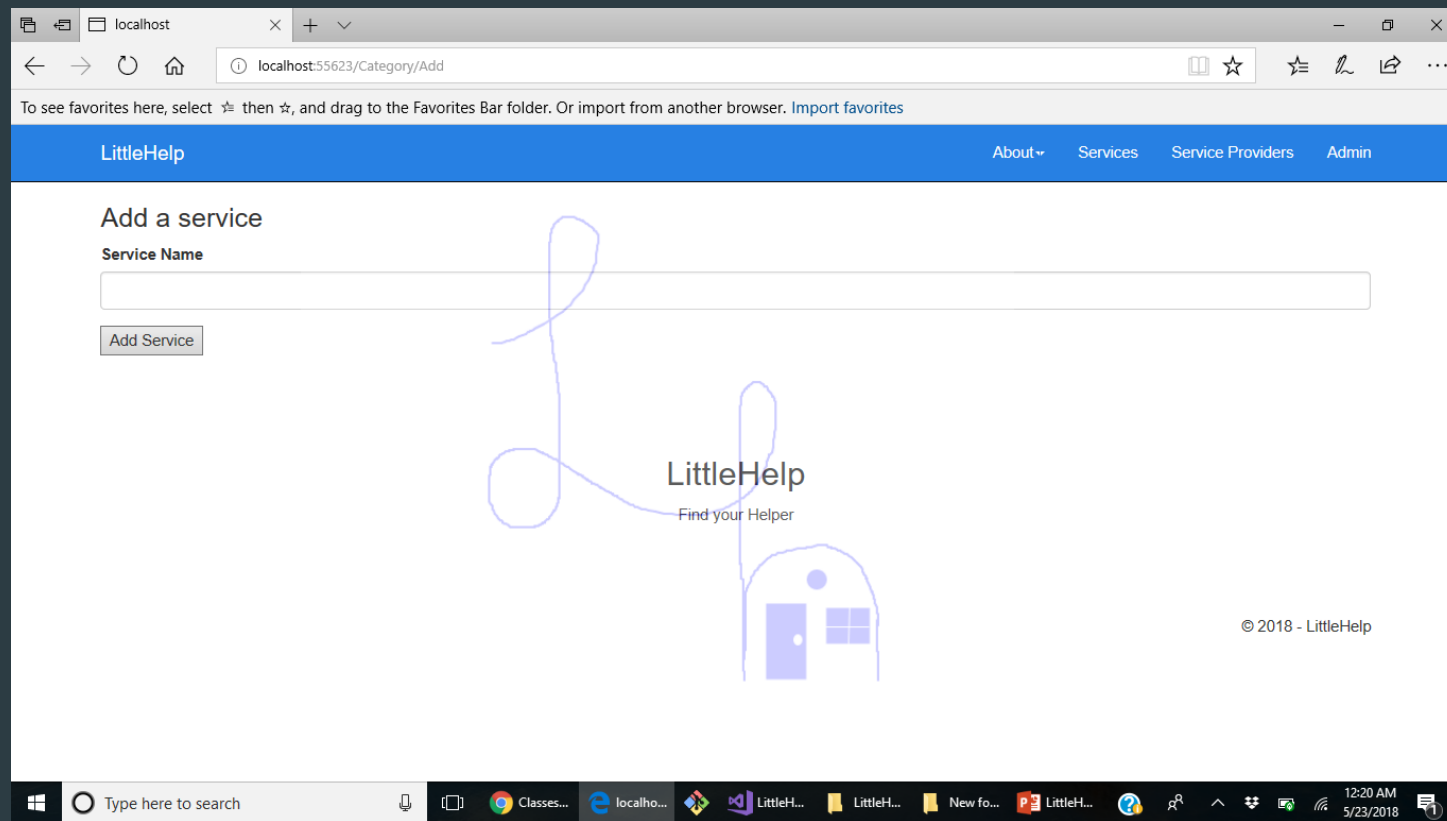
Demo - Admin, Remove Entry



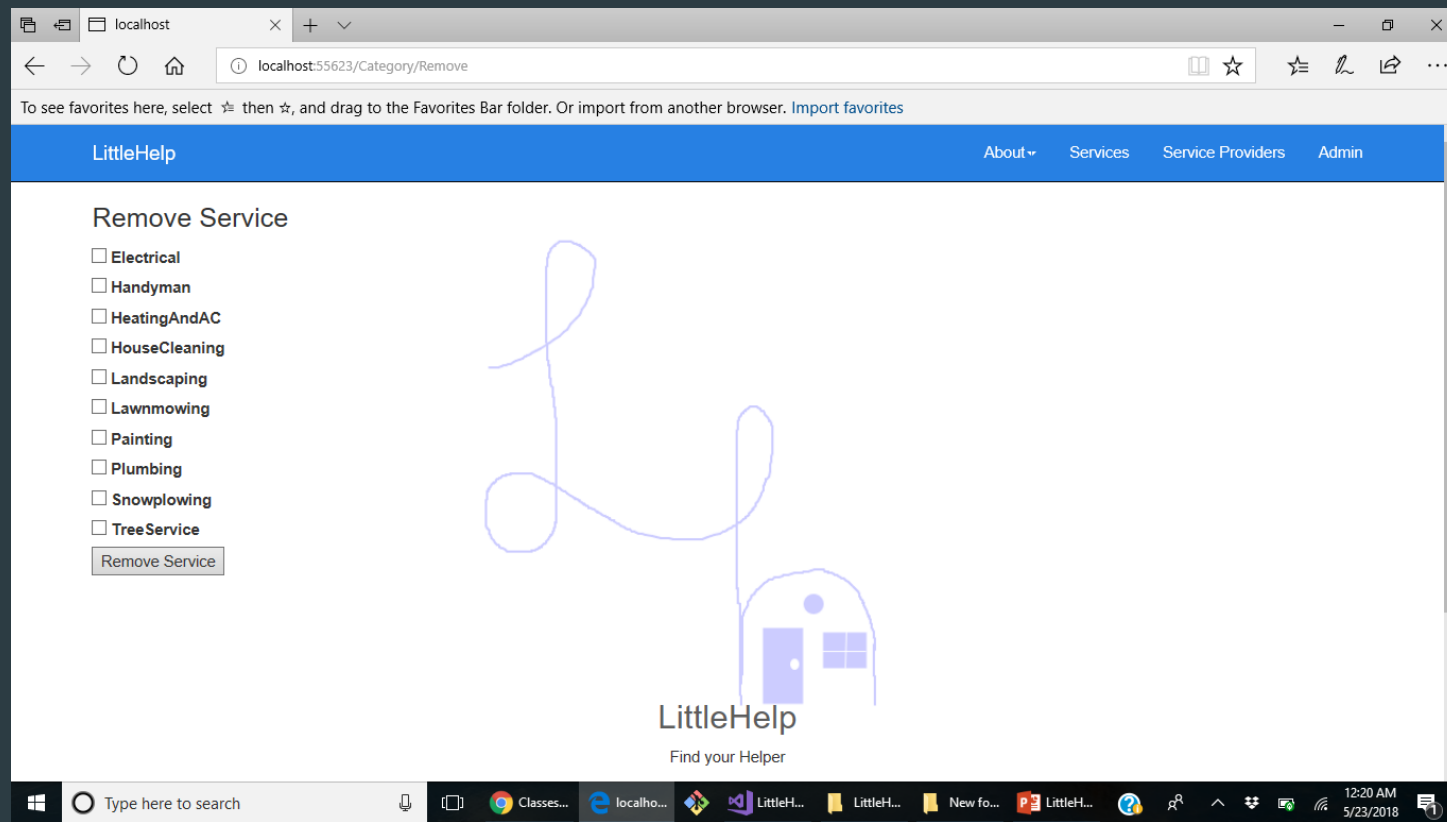
Demo - Admin, View Service



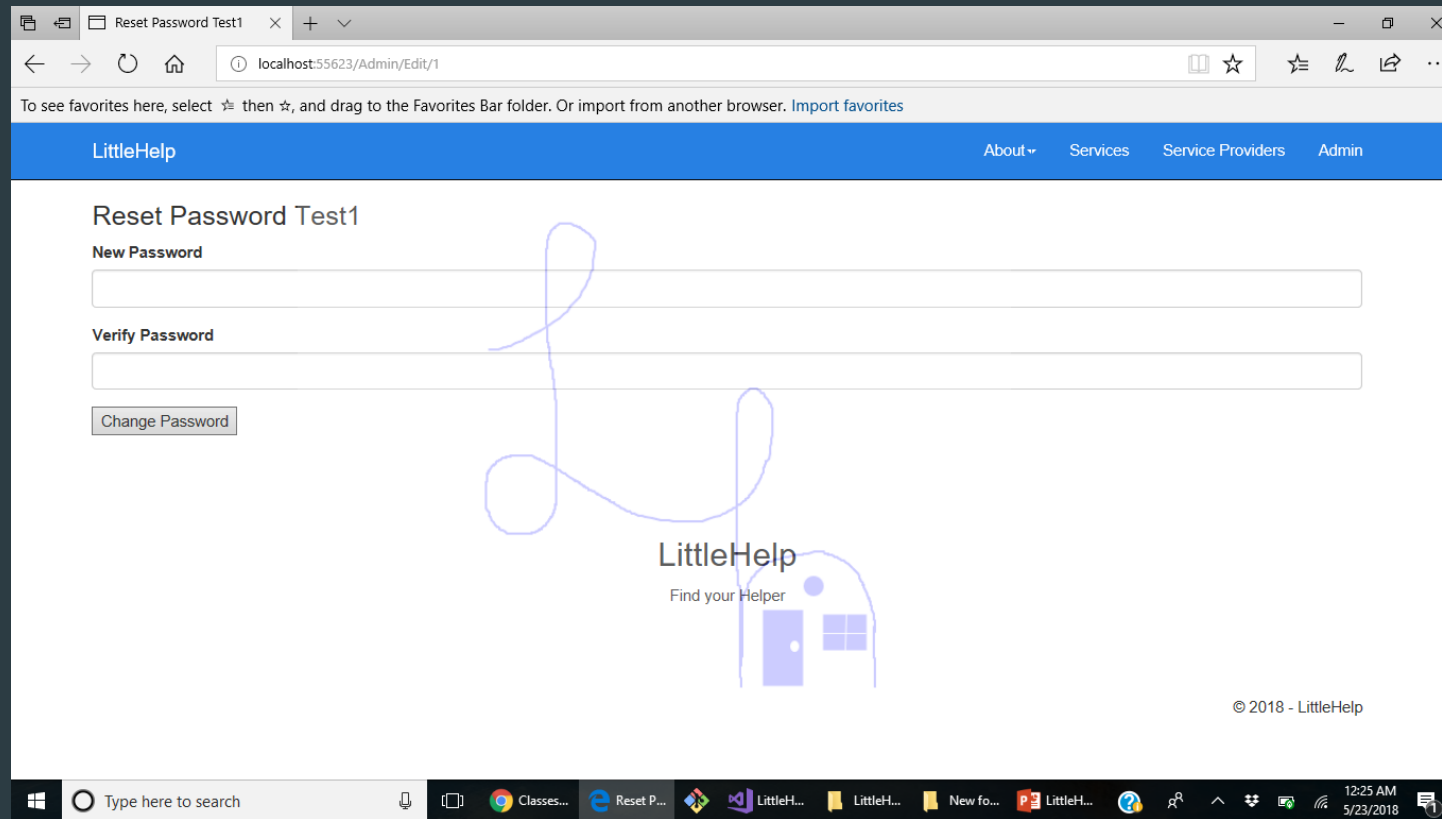
Demo - Admin, Add Service



Demo - Admin, Remove Service



Demo - Admin, Reset Password



Reset Password Test1

New Password

Verify Password

Change Password

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What I learned

- ▶ learned more about linq commands, concepts in entity framework
- ▶ how to override some of the bootstrap formatting, css
- ▶ how to return to a action method of a different controller and
- ▶ how to pass parameter in the return statement
- ▶ what is ActionLink and how to use this method in html
- ▶ user signup form using entity framework

Next Step

- ▶ To validate the email id given by the service provider
- ▶ To send the reset password info to the service provider
- ▶ To implement change password option for the service providers
- ▶ To implement a review option for the users who availed a service
- ▶ To implement search option in my application

Thank You!