

# DS Flea Market Assignment 1

DS Flea Market Flask Assignments

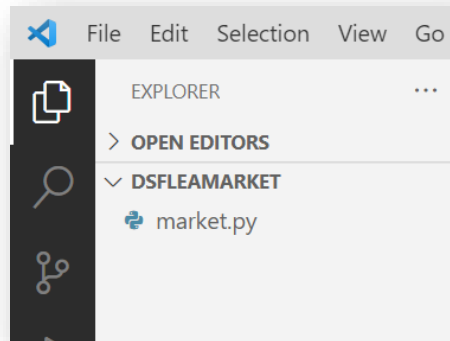
## Tasks:

1. Install flask and set up the project folder
2. Create the Hello World application
3. Create the navigation bar, footer, and the home page
4. Start working on the market page

## Task 1: Install flask and set up the project folder

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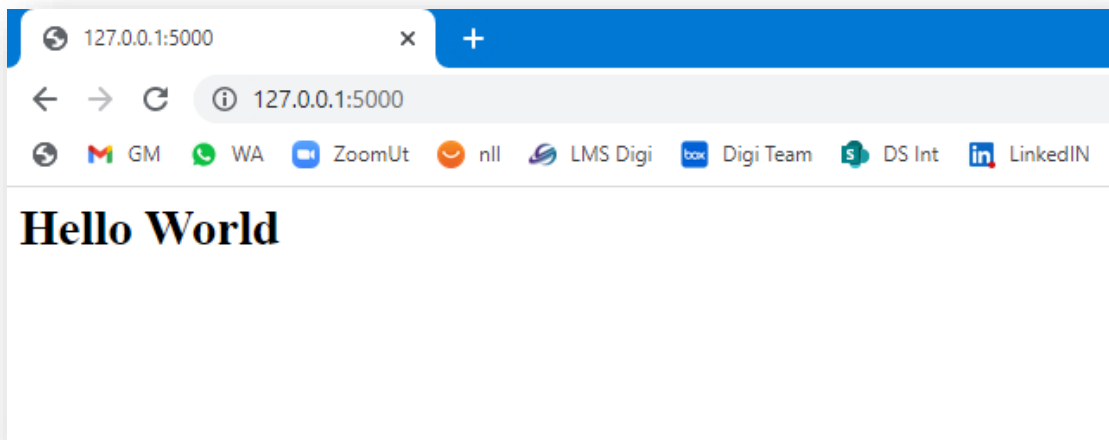
1. To install flask use the [pip install flask command](#) on the command prompt.
2. Create DSFLEAMARKET folder and open it in VS Code
3. Create market.py python file to get started. The VS Code project structure will look as shown:



## Task 2: Create the Hello World Application

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In the market.py write the minimum code to display Hello World in the browser.

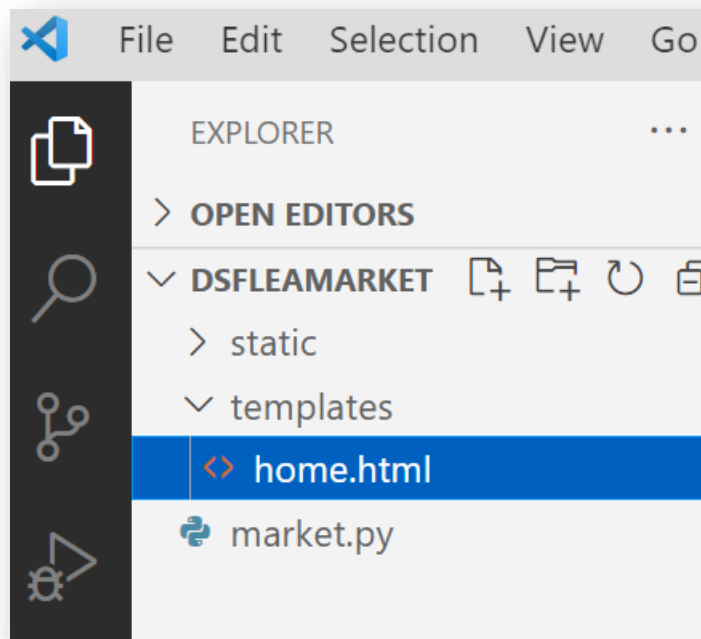


### Task 3: Create the navigation bar, footer, and the home page

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#### Navigation bar:

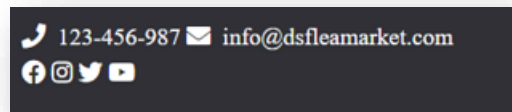
1. Create a folder named templates under the project folder. The templates folder will hold all the HTML files.
2. Create home.html in the templates folder
3. Create another folder called static. The static folder will contain all the static files, images, CSS, etc.



4. Using Bootstrap CSS code, create the navigation bar as shown



5. Please note that the page uses various icons such as social media icons, phone icons, mail icons, etc. as seen in the footer. The icons are taken from [fontawesome.com](https://fontawesome.com).



The following steps will help you start using the font awesome icons. (If you wish, you can also use google icons)

- a. Visit [www.fontawesome.com](https://www.fontawesome.com)
- b. Click “Start for free” button

## Take the hassle out of icons in your **designs.**

**Font Awesome** is the Internet's icon library and toolkit, used by millions of designers, developers, and content creators.



Start for Free





Get More with Pro

- c. Enter your email address and click “Send Kit Code”. The kit code will be delivered to your email

Enter your email to get started with a free Kit! ?

e.g. violet@freshsqueezed.org

Send Kit Code 

 Powered by Cloudflare

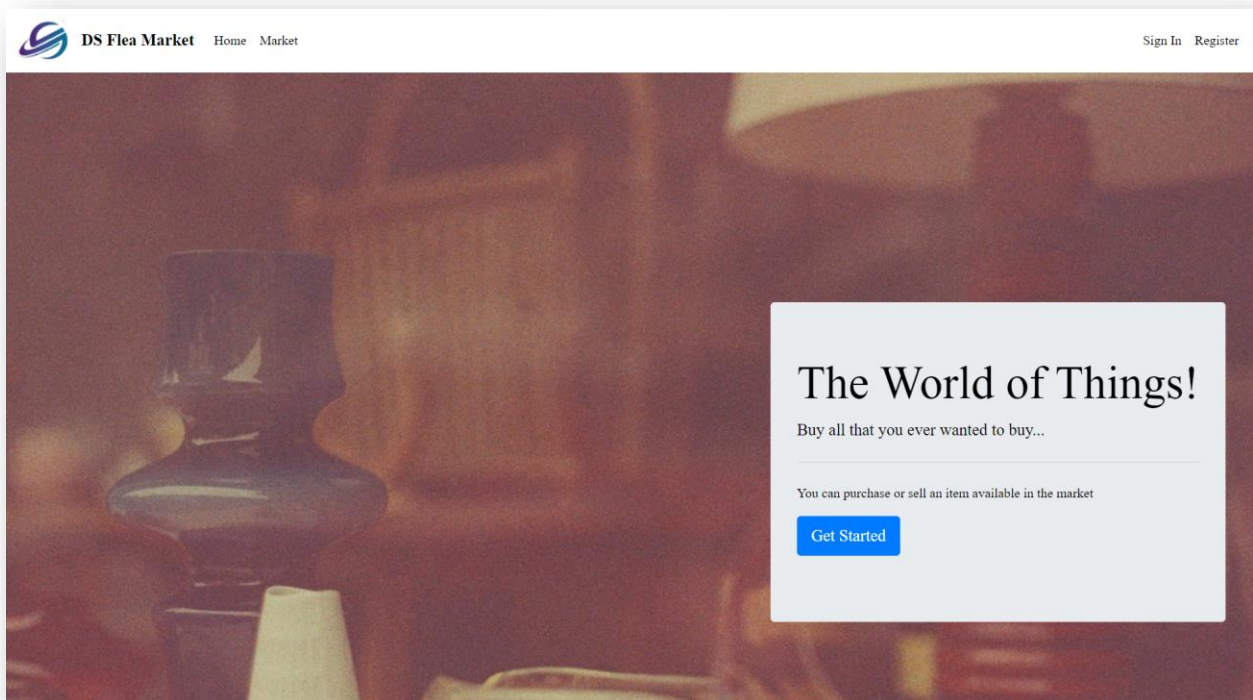
Already have an account? Sign In →

- d. Paste the kit into the home.html as shown. The fontawesome icons should now start working.

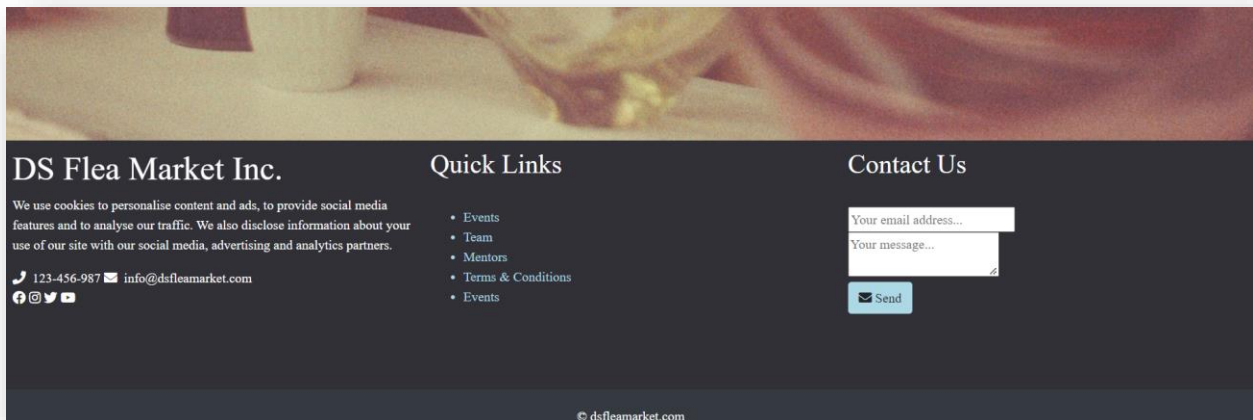
```
integrity="sha384-1x0L2/2CKE3E/1h0/2mQxvncDay5u1K24-ERgixemeu4m0j11DFvgduqK12XX12" crossorigin="anonymous">
<script src="https://kit.fontawesome.com/c164de392e.js" crossorigin="anonymous"></script>
</script>
```

### Home page:

1. Apply the background image to the homepage. Please feel free to use the background image of your choice in case you decide to do so. The home page would look as below



2. Add a footer as shown below



## Task 4: Start working on the market page

In assignment 1 you have completed the home page.

In this task let us start to create the market page to show some dummy items. Later, we shall replace the dummy data with data from the database.

### Create dummy data:

4. The following list provides the dummy item data. You may copy this list in your market.py file

```
items = [  
    {'id': 1, 'name': 'Laptop', 'barcode': '1234567', 'price': 90},  
    {'id': 2, 'name': 'Fan', 'barcode': '123985473165', 'price': 30},  
    {'id': 3, 'name': 'Doll', 'barcode': '231985789446', 'price': 10}  
]
```

### Create market.html to display the dummy data

1. In the templates folder create market.html
2. In the market.py create the corresponding for accessing the market HTML page.

Note: The links on the navbar (navigation bar) as of now are inactive. Therefore, use the following URLs to access the respective pages.

<http://127.0.0.1:5000/home>

<http://127.0.0.1:5000/market>

- Using jinja code access the dummy data from market.py file into market.html to produce the final output as shown

The screenshot displays a web application titled "DS Flea Market". The header includes a logo, navigation links for "Home" and "Market", and user options for "Sign In" and "Register". The main content area, titled "Available Items on the Market", features a table with four items: a Laptop (\$90), a Fan (\$30), a Clock (\$40), and DDR Ram (\$130). Each item row includes buttons for "More Info" and "Purchase this Item". The footer is divided into three sections: "DS Flea Market Inc." with a cookie notice and contact details, "Quick Links" with a list of site sections, and a "Contact Us" form with fields for email and message, and a "Send" button. The footer also contains a copyright notice for dsflea.com.

ID	Name	Barcode	Price	Options
1	Laptop	1234567	\$90	<a href="#">More Info</a> <a href="#">Purchase this Item</a>
2	Fan	23432423	\$30	<a href="#">More Info</a> <a href="#">Purchase this Item</a>
3	Clock	234324243	\$40	<a href="#">More Info</a> <a href="#">Purchase this Item</a>
4	DDR Ram	23436423	\$130	<a href="#">More Info</a> <a href="#">Purchase this Item</a>

Congrats! You have successfully finished assignment 1. Have some good rest and see you tomorrow!

