

# Installation Guide

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## Sprout Exchange

Version 0.1 | December 2020

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### **Please Note:**

This website has already been deployed on a [PythonAnywhere](#) web server and can be accessed by anyone on the web.

- To go directly to the deployed website without having to compile the source code, please view Option 1.
- To compile the source code (a more complex process), view Option 2.

## Option 1 : Go Directly to the Deployed Website

- To view the fully deployed website, please visit the link below:

<https://sproutexchange.pythonanywhere.com/>

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## Option 2 : Compiling the Code in a Virtual Environment

Prerequisites:

- Python 3 or above must be installed on your machine.
    - [Instructions on Downloading & Installing Python](#)
    - [Python Download Link](#)
1. Download the file [sproutExchange.zip](#) from Blackboard.
  2. Unzip the folder.
  3. Open up a command prompt on your machine.
    - a. On macOS and Linux
      - i. Look for *Terminal* in Applications.
    - b. On Windows
      - i. Press Windows+R to open the “Run” box.
      - ii. Type “cmd” and then click “OK” to open a regular Command Prompt.
  4. Using the command line, `cd` into the extracted folder.
  5. Create a virtual environment using the following commands:
    - a. On macOS and Linux: `python3 -m venv env`
    - b. On Windows: `py -m venv env`
  6. After creating a virtual environment, activate it:
    - a. On macOS and Linux: `source env/bin/activate`
    - b. On Windows: `.\env\Scripts\activate`

7. `cd` into the folder *sproutExchange*
8. Install all of the dependencies by running the following command:
  - a. `pip install -r requirements.txt`
9. Run the following commands:
  - a. On macOS and Linux
    - i. `python manage.py makemigrations`
    - ii. `python manage.py migrate`
    - iii. `python manage.py runserver`
  - b. On Windows
    - i. `py manage.py makemigrations`
    - ii. `py manage.py migrate`
    - iii. `py manage.py runserver`
10. In your browser, navigate to <http://127.0.0.1:8000/> or <http://localhost:8000/> and you should be able to view the website.