

Windows Instruction

1- Install python 3.8.5 package:

Download python 3.8.5 for windows from <https://www.python.org/downloads/>

Run the downloaded `python-3.8.5.exe` file and in the very first screen select “Add Python 3.8 to PATH” checkbox.

Follow the steps to complete the installation.

Note1: Once the installation is completed, you must close any existing `cmd.exe` window and open a new one

Note2: If you already have other versions of python (ex. 2.7) installed in your computer, use “`python3`” command. The “`python`” command will run the older installed version.

Note3: If another version of Python is already installed on your computer, you will see “upgrade” vs. install. Select “upgrade” to install the new version.

2- Install the project’s requirements

This project uses three Python libraries (flask, Jinja2, datetime) which are not installed along with Python Installation. You need to install these libraries before running the web application.

To install the libraries pip or pip3 command can be used. Use pip3 command which will be installed by python 3.8 and to use it you don’t need to navigate to Python or a certain path.

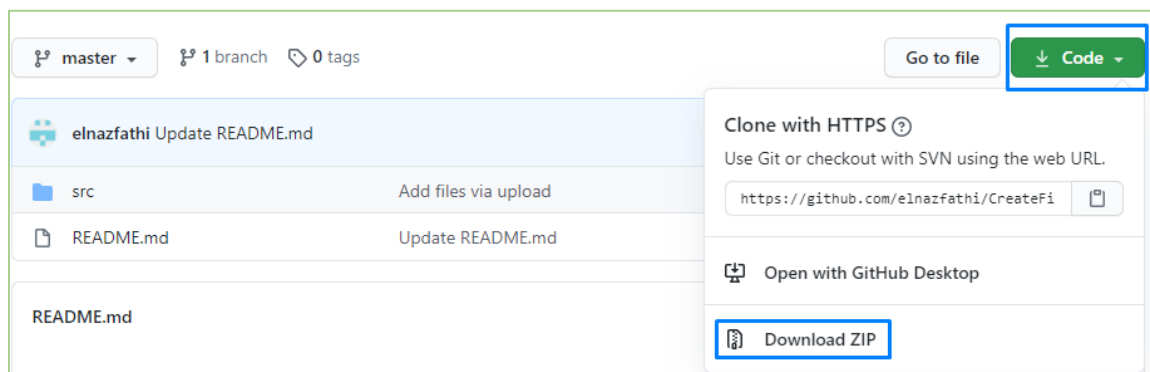
Command: `pip3 install flask`

Command: `pip3 install jinja2`

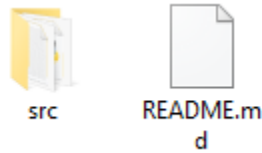
Command: `pip3 install datetime`

3- Copy/Download application code

All required files to run this web application are stored in my GitHub account and are downloadable through the link <https://github.com/elnazfathi/CreateFileWebApplication>. Click on the code button and select Download ZIP as shown below. A copy of the application files will be downloaded to your computer.



Go to the directory that you downloaded the file in it. Extract it or simply double click on it. Note that GitHub adds “-master” to the end of folder name; remove it so the application’s file folder name be **CreateFileWebApplication**. This folder should contain two items:



You can move this folder to any location that you would like to run it. You just need to know the path for **src** folder to execute this application.

4- Run the application

To run this application, you need to execute the **app.py** file in **src** folder:

Command: `C:\Users\elnazi\Desktop\CreateFileWebApplication\src\app.py`
Your desktop path

Or

Commands: `cd C:\Users\elnazi\Desktop\CreateFileWebApplication\src`
`app.py`

5- Find the created file

The file will be created in the **src** folder.

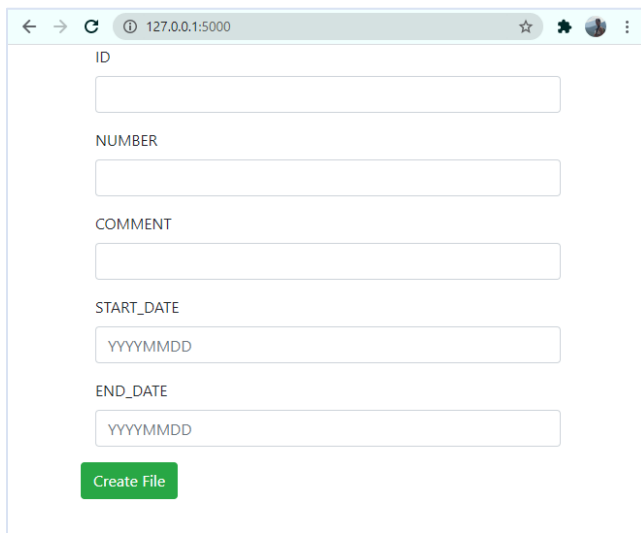
In the next **optional** pages, you will find more details about running application and its screens

Optional Section

6- What to expect by running the application?

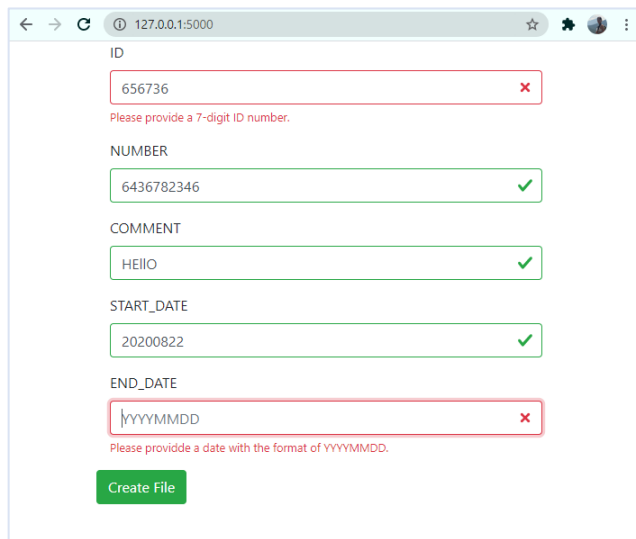
To run this application, we are using Python localhost server. Python comes with a simple built in HTTP server. By running the python file, your computer start listening to the port 5000 which is set inside the application code. The address for the application is <http://localhost::5000> which can be also accessed by IP address <http://127.0.0.1:5000/>. While your computer is listening to port 5000, the application page can be accessed using above two links.

Step one: insert <http://localhost::5000> in your browser page and hit enter.



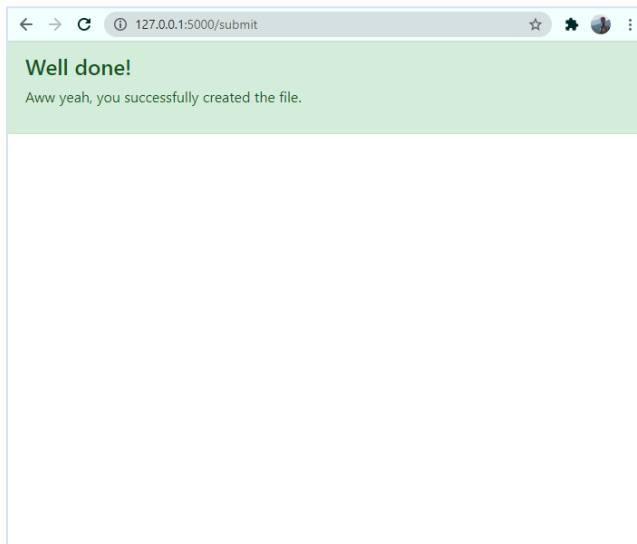
A screenshot of a web browser showing a form at the address 127.0.0.1:5000. The form contains six input fields: ID, NUMBER, COMMENT, START_DATE, and END_DATE. Each field has a placeholder text: 'YYYYMMDD' for START_DATE and END_DATE. Below the fields is a green button labeled 'Create File'.

Step 2: Test form validation

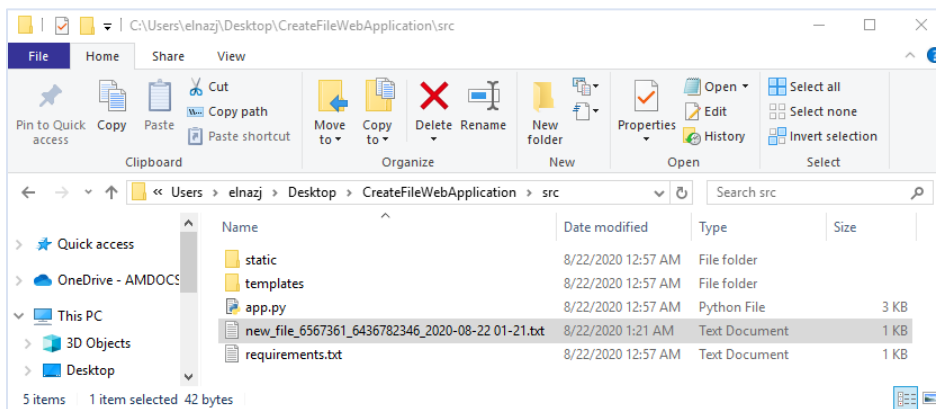


A screenshot of the same web browser showing the form with validation errors. The ID field contains '656736' and has a red border with a red 'x' icon and the message 'Please provide a 7-digit ID number.' The NUMBER field contains '6436782346' and has a green border with a green checkmark. The COMMENT field contains 'HELLO' and has a green border with a green checkmark. The START_DATE field contains '20200822' and has a green border with a green checkmark. The END_DATE field contains 'YYYYMMDD' and has a red border with a red 'x' icon and the message 'Please provide a date with the format of YYYYMMDD.' The 'Create File' button is still visible at the bottom.

Step 3: receive confirmation after submitting a valid form.



Step 4: Access the file in the `src` folder.



Step 5: Close the listening port using `ctrl+c` as it suggest in the screen too.