

# CSE312 TCP connections Report

**Web Framework:** Flask / Python

## General Information & Licensing

Code Repository	<a href="https://github.com/pallets/flask">https://github.com/pallets/flask</a>
License Type	rst
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- CSE312\_GroupProject-/Server/auth.py (Line 72 - 73)
- Link: [https://github.com/XuyangLi-12088/CSE312\\_GroupProject/blob/master/Server/auth.py](https://github.com/XuyangLi-12088/CSE312_GroupProject/blob/master/Server/auth.py)

```
if __name__ == '__main__':  
    app.run(host = "0.0.0.0", port = 8080, debug = True)
```

- App.run called “run” function in flask/app.py (Line 1067)
- Link: <https://github.com/pallets/flask/blob/main/src/flask/app.py>
  - Pass “host”, “port”, “debug” values into the “run” function
  - Check value of “host”, “port”, and “debug”
  - If no “host” or no “port”, set to default value
    - Host: “127.0.0.1”; Port: “5000”
  - Pass the value of “host” and “port” into run\_simple() function in werkzeug/serving.py (Line 936)
- In “run\_simple()” function (Line 936)
  - Call prepare\_socket() function on the host and port (Line 882)
    - Remove the existing socket file
    - Catch connection issues and show them
  - Call make\_server() function on the host and port (Line 828)
    - Create a server base on the host and port
  - Check if the server is running as a subprocess or not
  - Check if use\_reloader == True
    - Call serve\_forever() function
      - Handle one request at a time until shutdown

