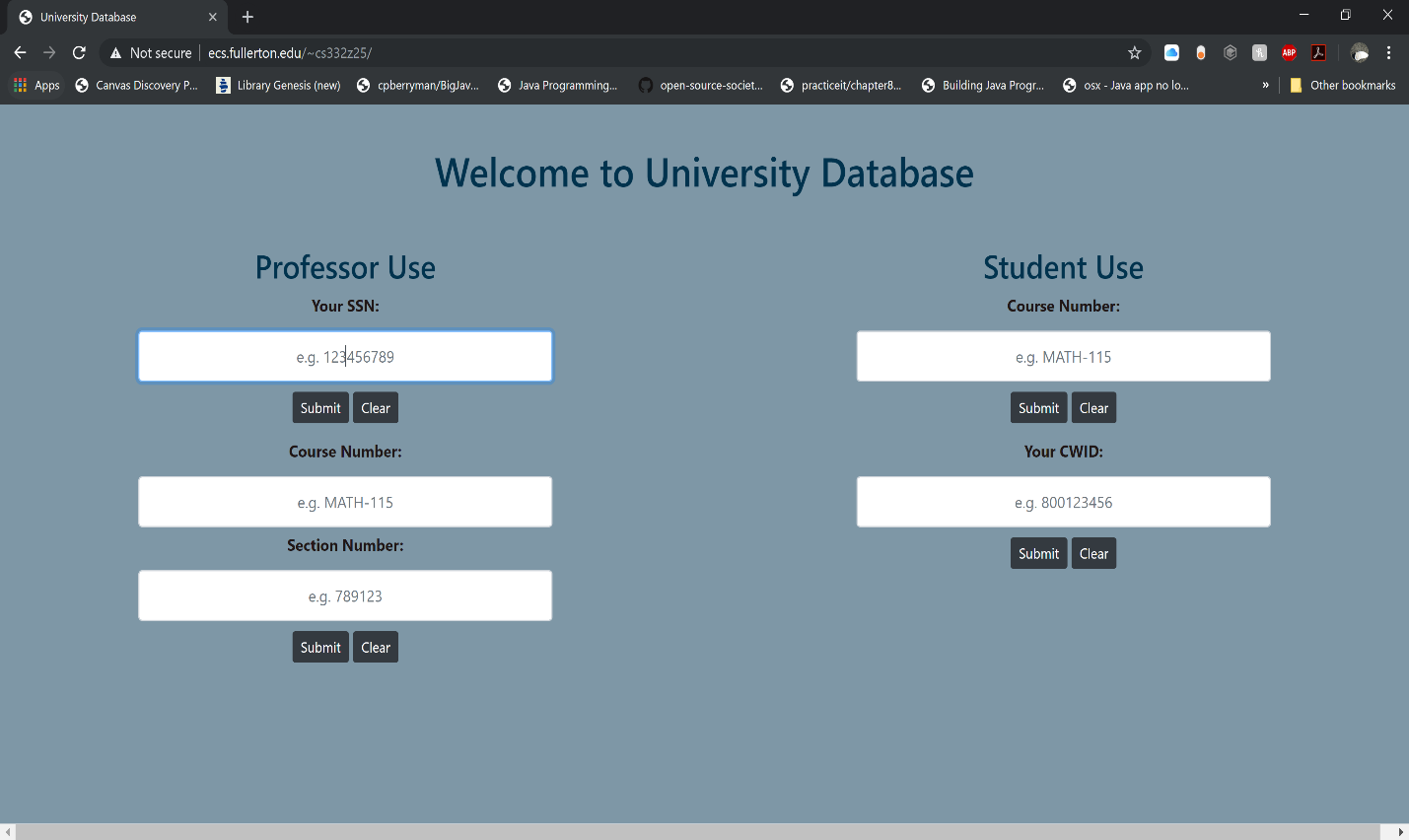
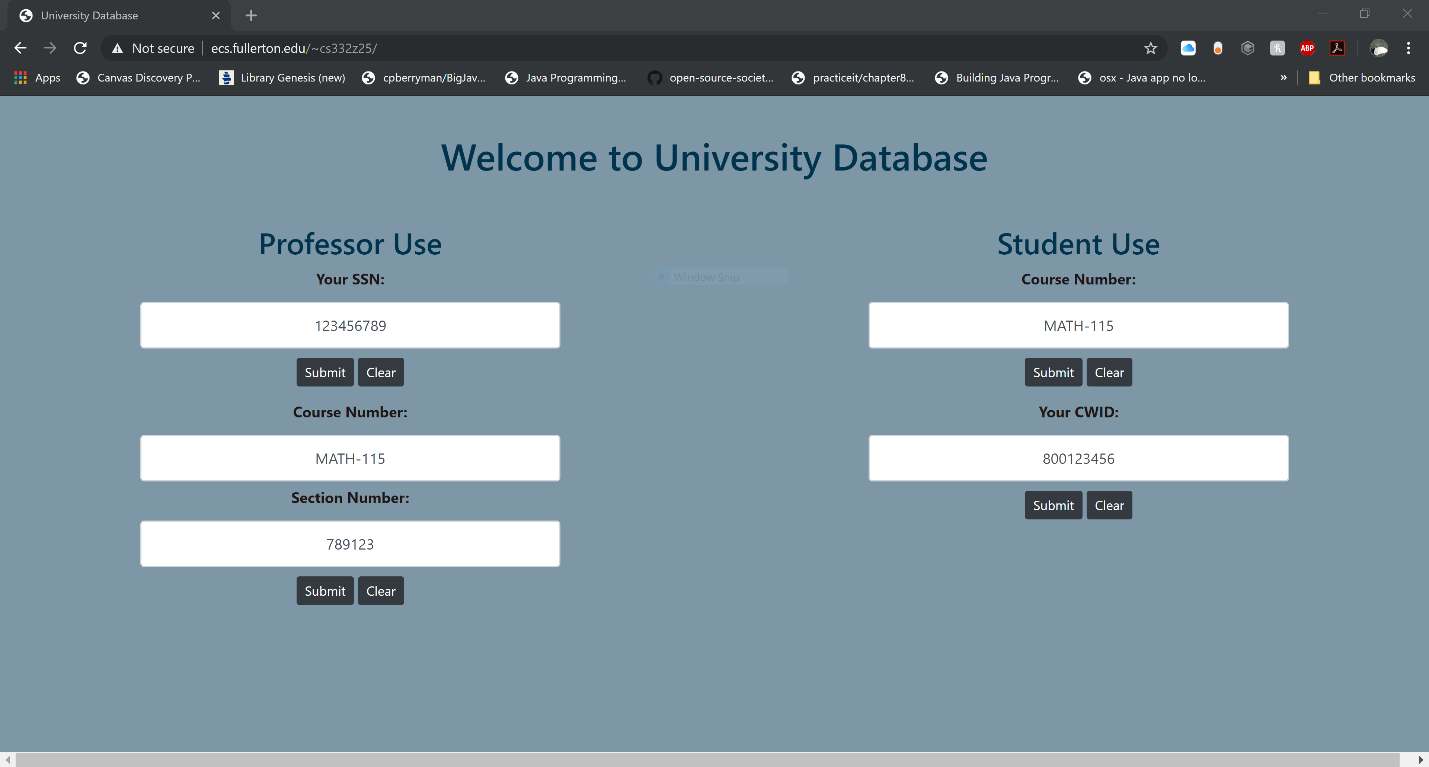
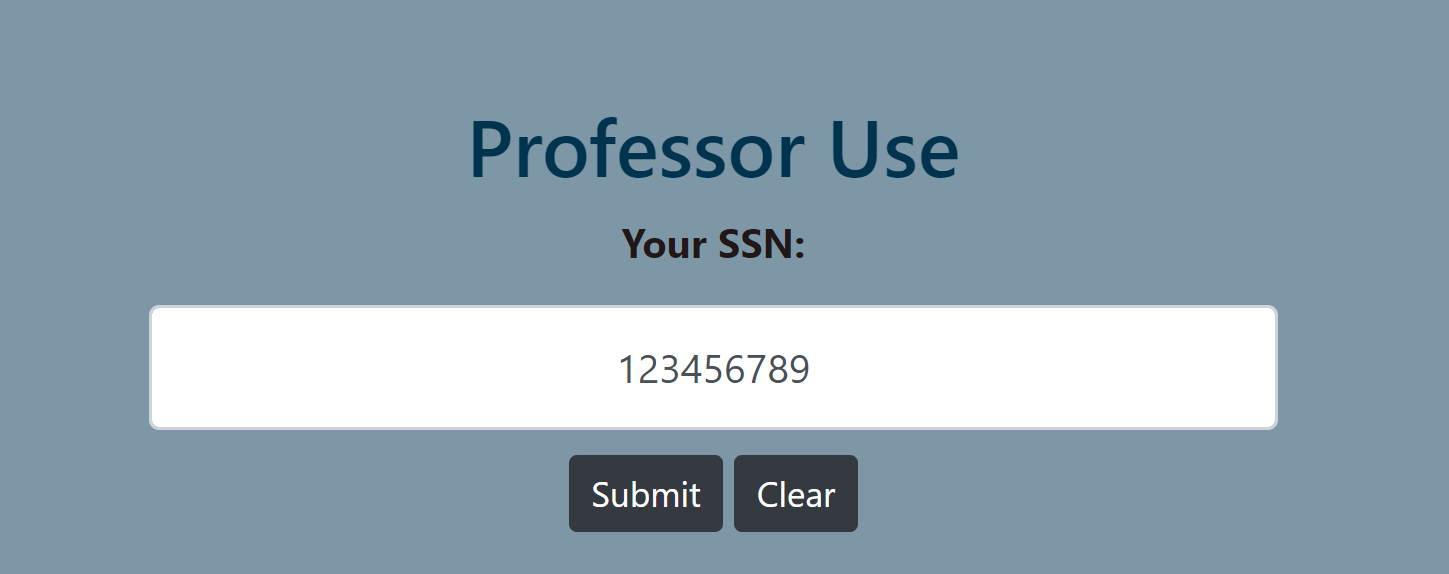
**USER INTERFACE**



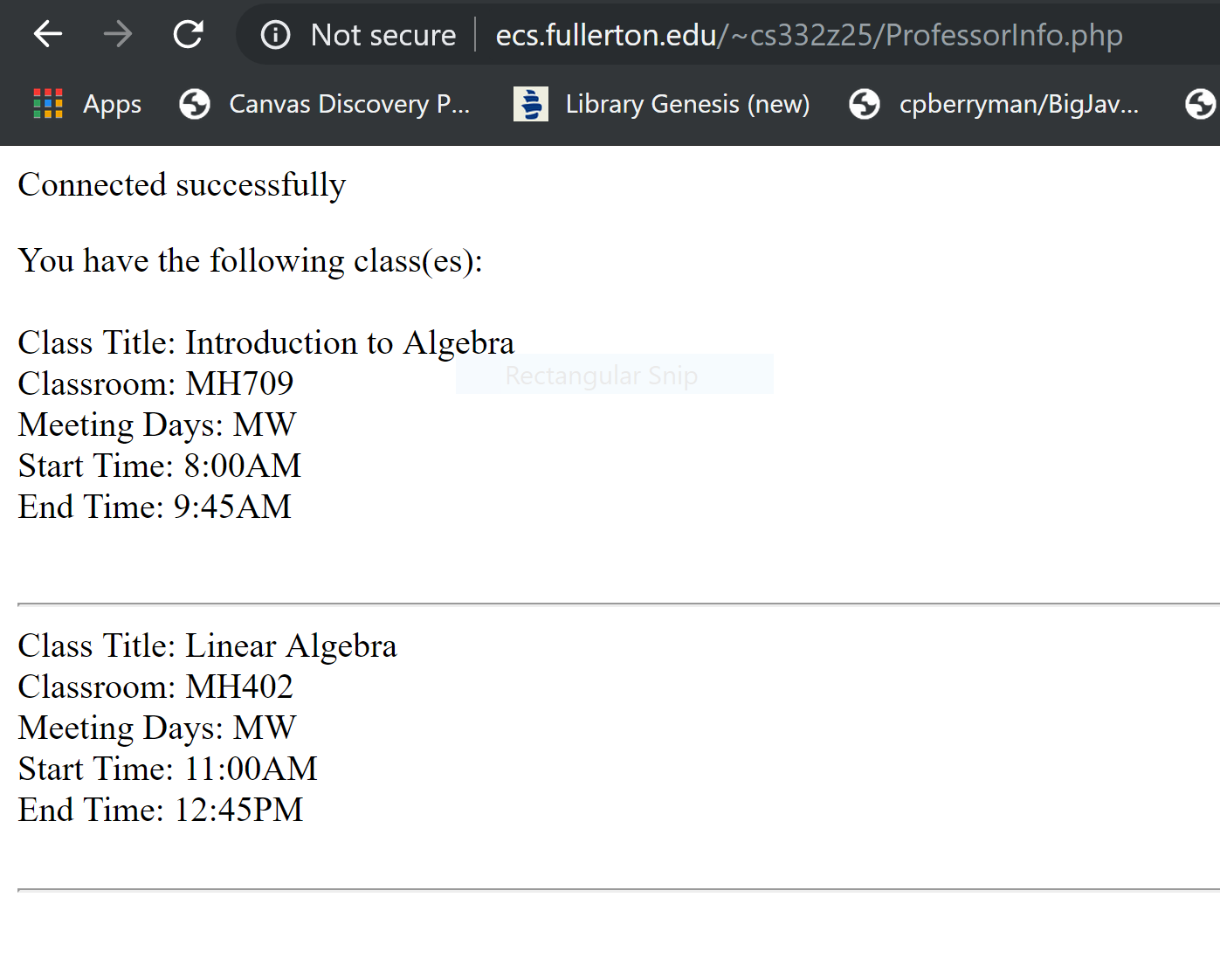
**USER INPUT**

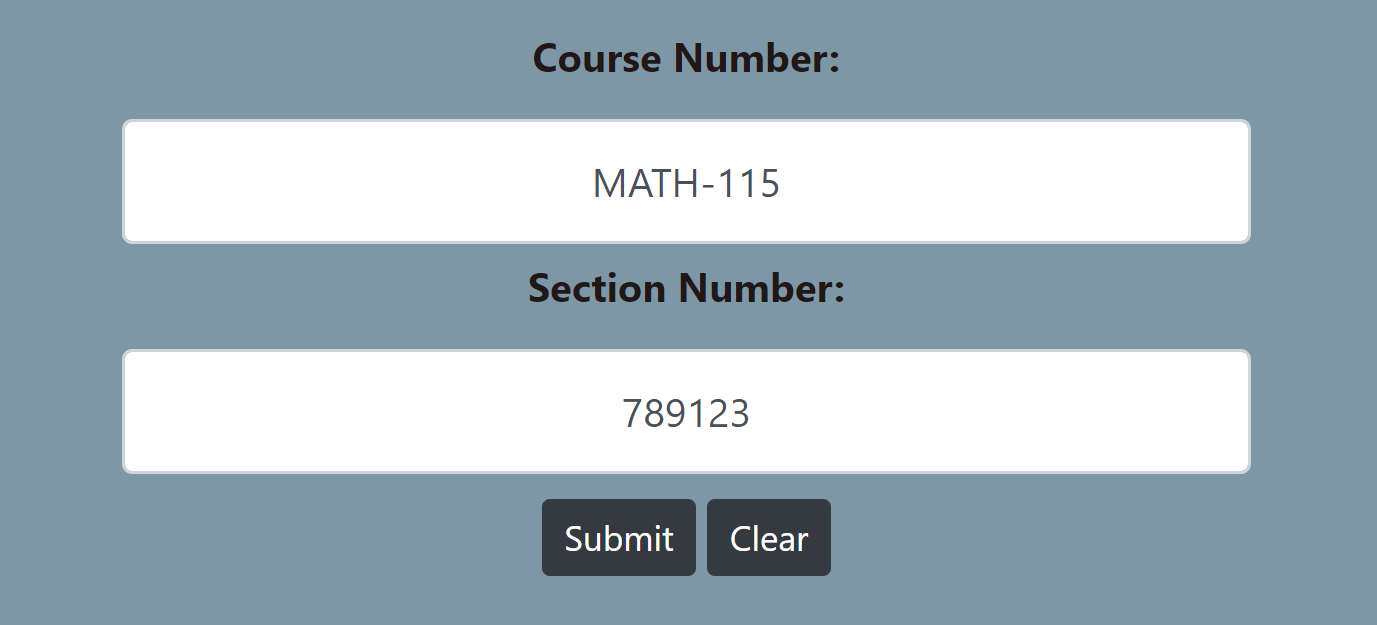


**INPUT**

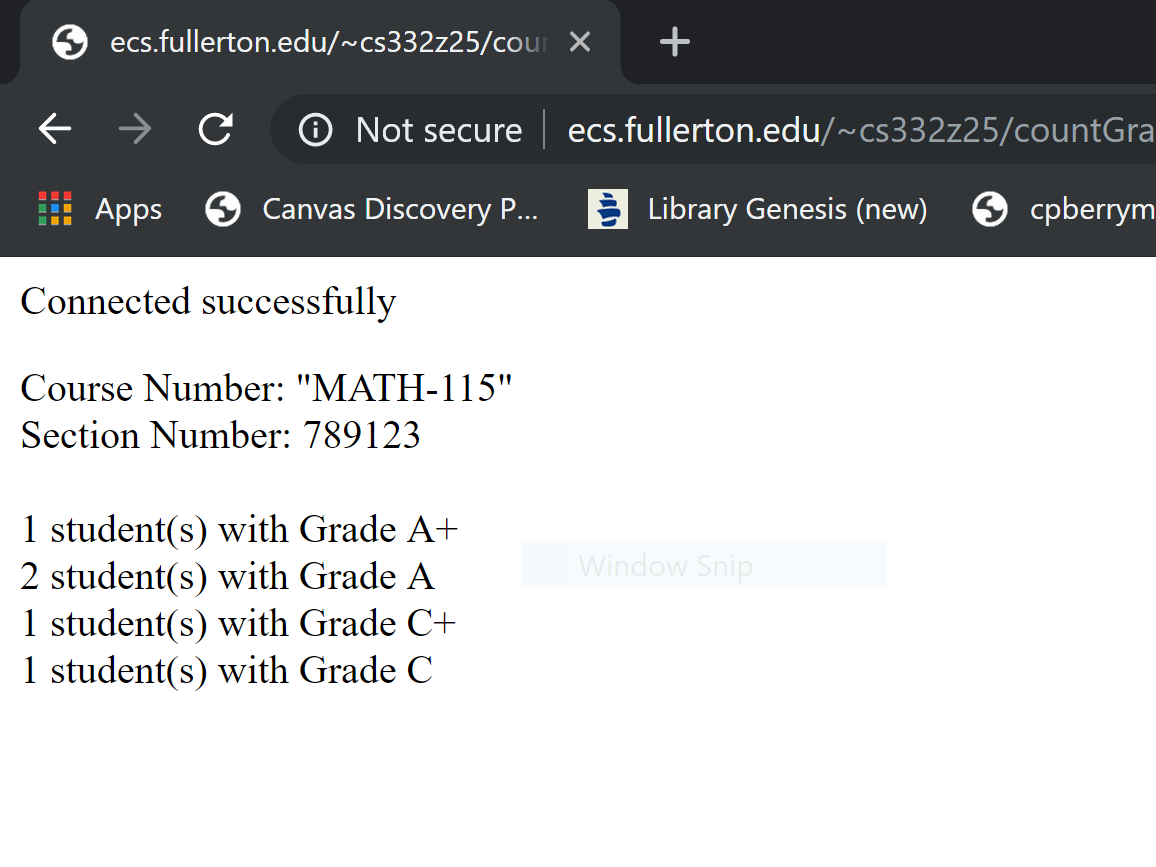


**OUTPUT**

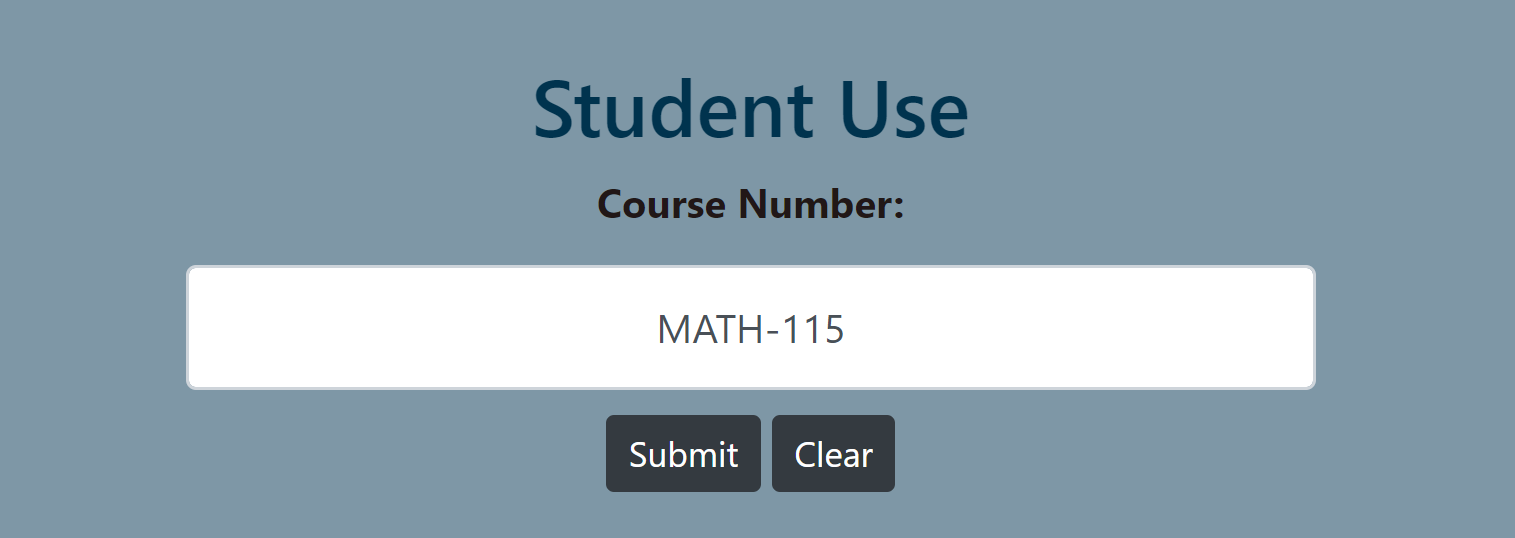


**INPUT** 

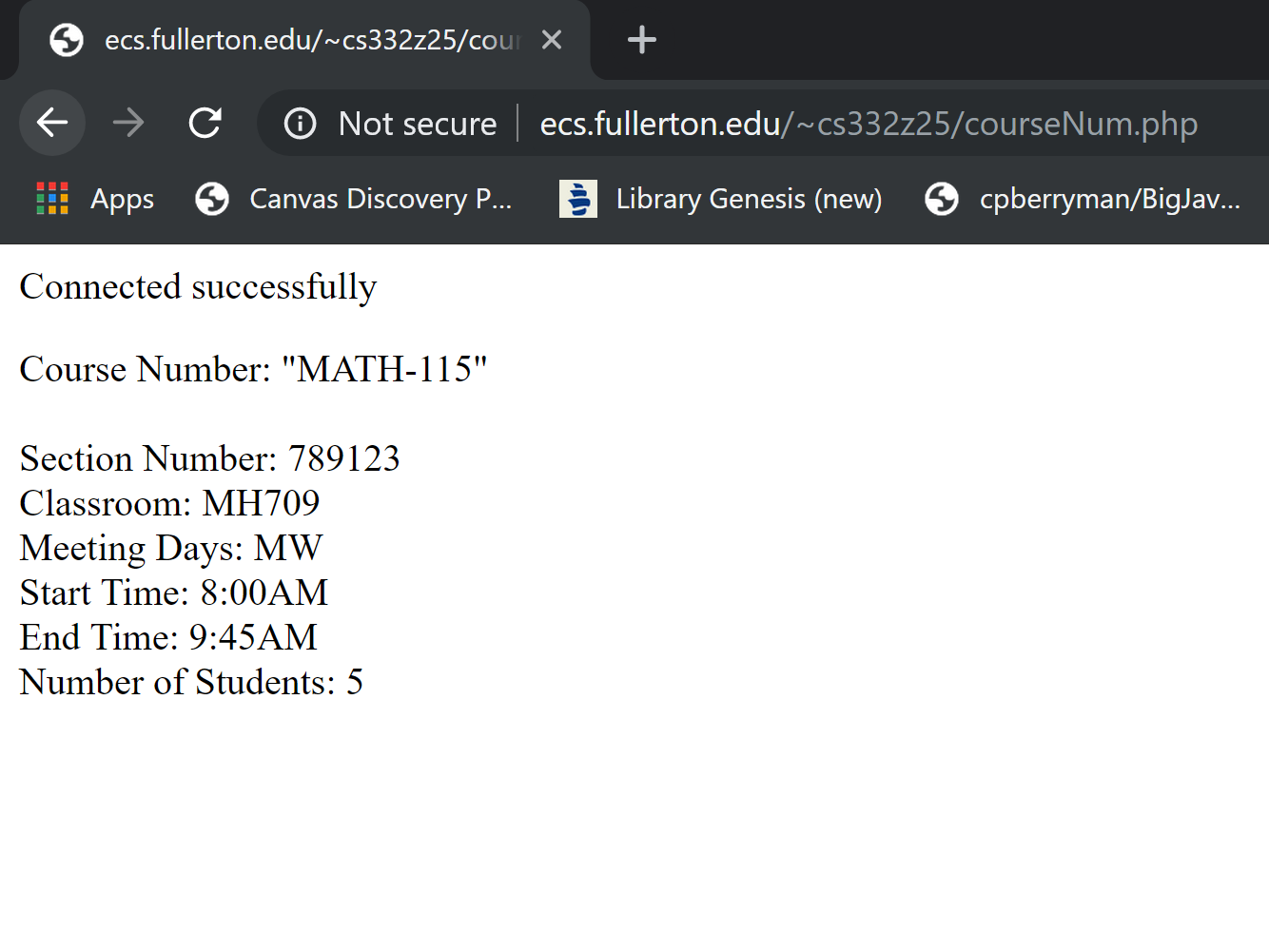
**OUTPUT**



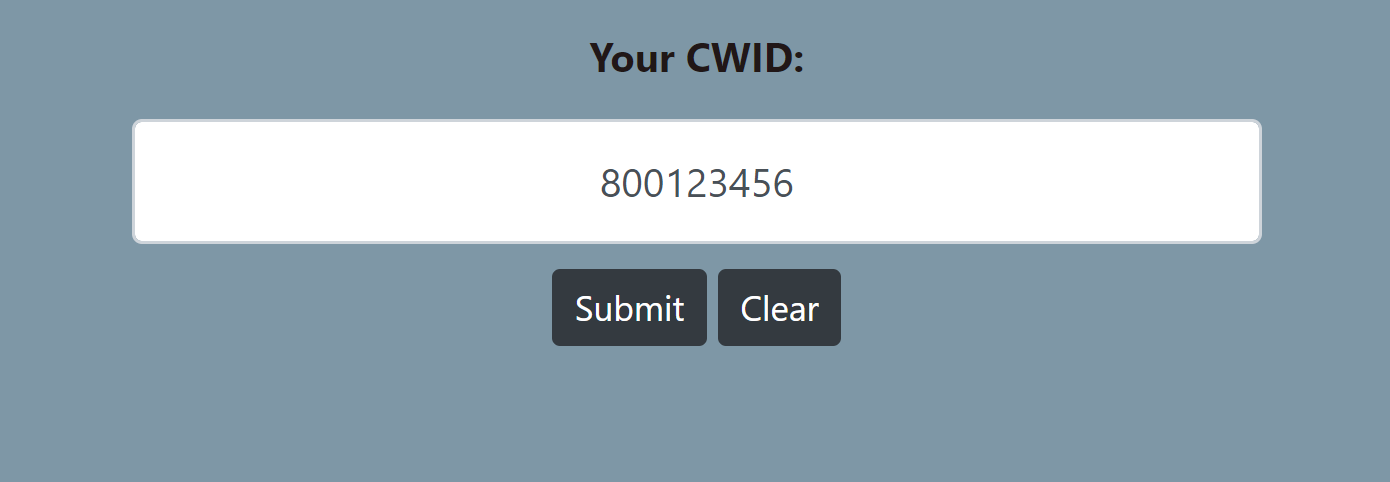
**INPUT**



**OUTPUT**



**INPUT**



**OUTPUT**

