Online Voting System

Problem:

In most cases, we are required to visit a polling booth in order to cast our vote. This is a very time-consuming process. Technological advancement must allow us to cast our votes with extreme security from the comfort of our homes.

Implementation:

- I have referred to Corey Schafer's youtube video in order to understand flask, and have built my app by making modifications to his code. Link to his code: https://github.com/CoreyMSchafer/code_snippets/tree/master/Python/Flask_Blog
- Flask is used to create the web app.
- SQLAlchemy is the database used to keep track of elections and login details
- Flask_login handles the login of users
- WTForms is used used to implement forms to collect user input
- Flask_bcrypt is used to hash the passwords

Future:

I will work towards using a popular blockchain namely Ethereum or Solana (Or probably develop my own) to register the votes to enhance security. This app can be used by universities to conduct elections for SAC and various other committees.