**Visual Programming Semester Project**

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**Online voting Application**

This C# program, titled "Online Voting Application," is a simple console-based application that allows users to register, log in, view a list of candidates, and cast their votes in an election. The project is designed to demonstrate the basic concepts of user authentication, candidate listing, and voting functionality.

**Key Components of the Code:**

**User Class**: The User class represents the users of the application and contains properties for their usernames and passwords. Users can register by providing a username and password.

**Candidate Class:** The Candidate class represents candidates participating in the election. It has a property for the candidate's name.

**Election Class**: The Election class contains a list of candidates, allowing the application to manage and present the candidates to the users.

**Main Method:** The Main method is the entry point of the application. It runs in a loop and presents a menu based on whether a user is logged in or not. Users can register, log in, view candidates, and cast their votes.

**Register Method:** The Register method allows new users to register by inputting a username and password. The registered user is added to the users list.

**Login Method:** The Login method verifies the user's credentials against the registered users. If the login is successful, the user is stored in the currentUser variable.

**View Candidates:** Method: This method lists the candidates participating in the election, displaying their names and corresponding numbers.

**Vote Method:** The Vote method allows logged-in users to cast their votes. Users can select a candidate by entering the number associated with their choice.