The functional requirements

- Allowing the user to input a username and password
- Verifying the entered username and password against hardcoded values
- Displaying a success message if the login is successful and opening a new window
- Scanning for nearby Bluetooth devices
- Displaying the results of the scan in a tree view widget
- Updating the tree view every 5 seconds
- Allowing the user to export the tree view data to a CSV file

The non-functional requirements

- The program must have a user-friendly interface that is easy to navigate

- The program should have efficient performance when scanning for nearby Bluetooth devices and updating the tree view
- The program should be able to export the tree view data to a CSV file in a structured format
- **The program should be able to support different operating systems and platforms**

- Security of the login, to ensure only authorized users can access the software.
- The program should have appropriate error handling to handle unexpected input and situations.