

## LoginController

**Description:**

Login window. User enters his username and password to get access to the application. Username and password will be compared with local database.

**Precondition:**

User started the application, login window is open.  
User is already registered.

**Postcondition:**

Username and password was compared with local database.  
If login data were valid, invoke "startApplication(ActionEvent event)", otherwise open "wrong password"  
Login window will be closed.  
Launch application

**Returns:**

- Input validity: return usernameInput.validate(), passwordInput.validate() and passwordInputPlain.validate()
- If first login: return "AppComponents"
- usernameInput: Input must be uppercase -> return change

**Exceptions:**

- Throw exception if login input is not valid.
- Throw exception if the application cannot be launched properly.

**Result:**

The authorization of using the application was granted, user can start working.

**Type:**

System – Operation

**References:**

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**Comment:**

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### Wrong Input

**Description:**

If the user enters a wrong password or username, an error message will be displayed

**Precondition:**

Login windows is open.

User entered wrong password or username.

**Postcondition:**

errorBox.setVisible = true

An error message will be displayed.

After 3 wrong attempts, the user must take a break of one minute before trying to login again.

If user enters the right username and password the application will be launched.

**Returns:**

Nothing

**Exceptions:**

Throws exception if the user enters a wrong username or password.

**Result:**

User is informed that the input was wrong.

**Type:**

System – Operation

**References:**

LoginController

**Comment:**

This operation will just be called, if the user enters an invalid username or input.