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| Module Name: | Login |
| Module Number: | 1 |
| Module Description: | Player wants to login to their account. |
| Input Parameters: | Username, Password |
| Output Parameters: | Player is logged in and brought to their dashboard. |
| Called From: | N/A |
| Modules Called (Name and Number): | 1.1 Failed Login  1.2 Reset Password |
| Author: | Ryan Rogers |
| Date: | May 1, 2017 |
| Peer Reviewer: | Gabe Martinez |
| Pseudocode: | Tries = 0;  If(LoginButton.isClicked)  If(LoginCredentialsVerified)  Create session;  Send Player to Dashboard;  Else  Tries++;  If(Tries == 2)  Call 1.1 Failed Login;  EndIf  EndIf  EndIf |

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| --- | --- |
| Module Name: | Failed Login |
| Module Number: | 1.1 |
| Module Description: | Player enters invalid information on login page. |
| Input Parameters: | N/A |
| Output Parameters: | Account is locked out from being accessed for 10 hours.  An Email is sent to owner’s email account. |
| Called From: | 1 Login |
| Modules Called (Name and Number): | N/A |
| Author: | Ryan Rogers |
| Date: | May 1, 2017 |
| Peer Reviewer: | Gabe Martinez |
| Pseudocode: | Account.Lockout();  Account.Email(“Your account has been locked out for 10 hours.”); |

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| Module Name: | Reset Password |
| Module Number: | 1.2 |
| Module Description: | Player needs to enter a new password. |
| Input Parameters: | VerificationCode, NewPassword |
| Output Parameters: | Player changed their password |
| Called From: | 1 Login |
| Modules Called (Name and Number): | N/A |
| Author: | Ryan Rogers |
| Date: | May 1, 2017 |
| Peer Reviewer: | Gabe Martinez |
| Pseudocode: | Code=generateVerificationCode();  Account.sendVerificationCode(Code);  Display VerificationCodeField;  Display ConfirmButton;  If(ConfirmButton.isPressed)  If(VerificationCodeField == Code)  EnterPassword:  Display NewPasswordField;  Display ConfirmNewPasswordField;  Display EnterNewPasswordButton;  If(EnterNewPasswordButton.isPressed)  If(NewPasswordField == ConfirmNewPasswordField)  H = Hash(NewPasswordField);  Account.newPassword(H);  Else  Goto EnterPassword;  EndIf  EndIf  Else  Return to LoginPage;  EndIf  EndIf |