

**BASIC COURSE:**

The system displays the Signup Page to the User. The User enters an Email Address into the Email Address Field and a Password into the Password Field then clicks the Signup Button. The system verifies that the Password is sufficiently complex and that the E-mail Address is registered in the Student Directory Database. Afterward, the system adds a User Account into the Account Verification Set and verifies that the Email Address is not already associated with a User Account in the Account Verification Set. Then the system sends a Verification E-mail to the indicated E-mail Address. The User clicks the link in the Verification E-mail before it expires. Then the system moves the User Account in the Account Verification Set to the User Account Set and redirects the User to the Login Page.

**ALTERNATIVE COURSES:**

**The E-mail Address is already associated with a User Account in the User Account Set:** The system returns the User to the Signup Page displaying a message indicating the error.

**The User enters an invalid Password in the Password Field as a result of it either containing invalid characters, being too long in length, or not being sufficiently complex (must be at least 8 characters in length):** The system disables the Signup Button so that the User cannot proceed to submit the form, and it displays a message indicating the error; should the form be submitted anyway, the system returns the User to the Signup Page displaying a message indicating the error.

**The Verification E-mail has expired (after 24 hours):** The system directs the User to the Signup Page displaying a message indicating the error.

**Title: Signup Usecase Robustness Diagram**  
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