Use Case and User Story

Project Name: Online User Registration System for Educational Institute.

Questions to be asked to SMEs

1. How does the user register in today's world?
2. What is the business advantage of allowing users to register online?
3. How should the system allow the user to Register online?
   a. Where should the 'Registration' link be located?
   b. What happens when the user clicks on 'Registration' link
4. What data fields should be displayed on 'New User Registration' page
   a. What are the required fields on the 'New User Registration' page?
   b. What should be the 'Password' format?
   c. What options should be displayed for 'Gender' and what UI element should be used to display them? (Example: radio button or a drop down?)
   d. What are the question options for 'security Questions'?
5. What happens when the user clicks on 'Cancel' command button?
   a. In the event of clicking 'Cancel' button, should the user be prompted by 'Are you sure you want to cancel?' dialog?
6. How should the error messages be displayed if one or more validations fail?
   a. What is the error message text?
7. What happens if all the validations pass?
   a. Do you want the user to login directly for the first time or you want to provide the user with a link to Login page?
8. Should the system send an automated email to the user on registering successfully?

User Story

As a	new user of http://edu.com
I want	to be able to register online
So that	I can myself create my login credential without waiting to receive my login credential via paper mail.
Acceptance Criteria	1. On http://edu.com, system shall display 'Register' hyperlink which shall be placed adjacent to the left of 'Login' hyperlink (refer Appendix 2 and 3) 2. On Click of 'Register' hyperlink, system shall navigate the user to 'New User Registration' page in the same browser window (refer Appendix 4 and 5) 3. System shall allow the user to enter registration data.

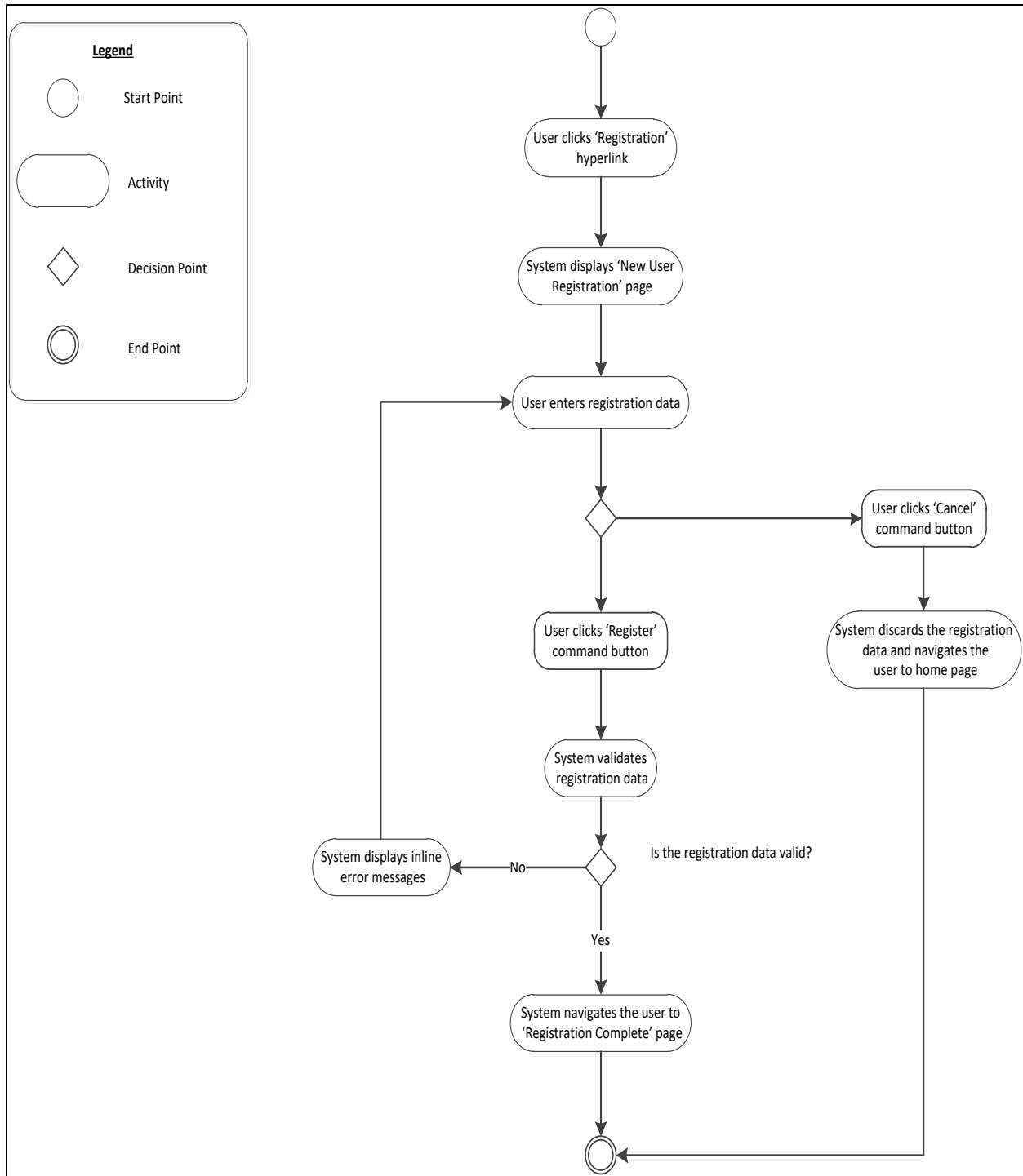| | 4. On Click on 'Register' command button, system shall perform the following validations:
    a. All required data is entered
    b. Email address is in a valid format
    c. Email address is unique
    d. Password entered is in a valid format
    e. Re-entered password matches the password entered
  4.1 In the event of passing of all the validations, system shall navigate the user to 'Registration Complete' page (refer Appendix 6 and 7)
  4.2 In the event of failure of one or more validations, system shall display inline error messages. (refer Appendix 8)
5. On Click of 'Cancel' command button, system shall discard the data entered by the user and shall navigate the user to home page (http://edu.com) |

Use Case

Use Case Name	New User Registration
Use Case Number	1.00
Primary Actor	Unregistered Online User
Use Case Story:	This use case enables the unregistered user to register online and acquire login credentials.
Trigger	User clicks on 'Register' hyperlink displayed on http://edu.com
Pre-Condition	N/A
Post-Condition	User is able to register successfully
Extension Points	Login use case
Primary Flow	Title: User is able to register successfully

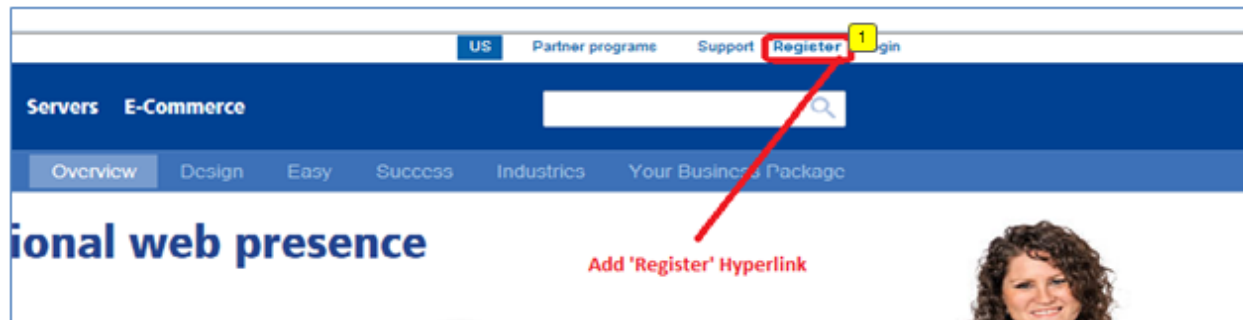| Actor Action	System Response
1)User clicks 'Registration' hyperlink (refer Appendix 2 and 3)	2) System navigates the user to 'New User Registration' page in the same browser window. (refer Appendix 4 and 5)
3) User enters registration data	
4) User clicks Register command button go to next step, or else user clicks cancel command button go to Exception Flow 1.	

5) User submits the registration data by clicking 'Cancel' command button	6) System performs the following validations:
	  a. All required data is entered
	  b. Email address is in a valid format
	  c. Email address is unique

		d. Password entered is in a valid format e. Re-entered password matches the password entered In the event of passing of all the validations, go to the next step, or else, go to Alternate Flow 1 if the event of failure of any validation.
		7) System shall navigate the user to 'Registration Complete' page (refer Appendix 6 and 7)
Alternate Flow 1	Title: One or more validations fail	
	Actor Action	**System Response**
		1) System shall display inline error messages. (refer Appendix 8)
	2) Go to Step 3 of Primary Flow	
Exception Flow 1	**Actor Action**	**System Response**
		1)System shall discard the data entered by the user and shall navigate the user to home page (http://edu.com)

1.1.1 Supporting Information

Appendix 1: 'New User Registration' Process Flow

Legend

- Start Point
- Activity
- Decision Point
- End Point

User clicks 'Registration' hyperlink

System displays 'New User Registration' page

User enters registration data

User clicks 'Cancel' command button

User clicks 'Register' command button

System discards the registration data and navigates the user to home page

System validates registration data

Is the registration data valid?

System displays inline error messages — No

Yes

System navigates the user to 'Registration Complete' page

Appendix 2: Display 'Registration' Link wireframe1

Appendix 3: Data Table for 'Registration' Link

ID	Field Name	Field Type	Content	Required Field?	Notes
1	Register	Hyperlink	N/A	No	On click, navigate the user to 'New User Registration' page in the same browser window

Appendix 4: 'New User Registration' Wireframe

ID	Field Name	Field Type	Content	Required Field?	Notes
1	New User Registration	Text	N/A	No	Page title
2	* are required fields	Text	N/A	No	
3	Email Address	Text Box	Alpha Numeric with special characters	Yes	Min char: 6 Max char: 100
4	Password	Text Box	Alpha Numeric	Yes	Data is encrypted Min char: 8 Max char: 16
5	Re-enter Password	Text Box	Alpha Numeric	Yes	Data is encrypted Min char: 8 Max char: 16
6	Gender	Radio Button	Male, Female	No	No default selection
7	Security Question	Dropdown	1) What is your pet's name? 2) What is your best friend's name? 3) What is your mother's maiden name?	Yes	No default selection. Sort the questions in alphabetical order
8	Security Answer	Text Box	Alpha Numeric	Yes	Min char: 2 Max char: 36
9	Register	Command Button	N/A	N/A	On click, if all validations pass, navigate user to 'Registration Complete' page in same browser or else display inline error messages
10	Cancel	Command Button	N/A	N/A	On click, discard the data entered and navigate the user to home page

Appendix 6: 'Registration Complete' Wireframe

Appendix 7: 'Registration Complete' Page Data Table

ID	Field Name	Field Type	Content	Required Field?	Notes
1	Registration Complete	Text	N/A	No	Page Title
2	Congratulations for completing online registration.	Text	N/A	No	
3	Please Login to manage your account	Hyperlink	N/A	No	On click, navigate the user to 'Login' page in the same browser window

Appendix 8: Inline Error Messages

Failed Validation	Error Message Displayed
All required data is entered	<Data Field Name> is a required data.
Email address is in a valid format	Please enter a valid email address.
Email address is unique	Email address entered is already associated with an active account
Password entered is in a valid format	Password must be between 8 and 16 characters
Re-entered password matches the password entered	Re-entered password does not match the password entered