Project Name

CountDown (version 1.0)

Project Sponsor

Jeff Roach, 423-439-6966, roachj@etsu.edu

Business Need

Jeff needs an internet-based application that tracks his to-do items.

Functionality

1. **Individuals shall be able to register by using an email address and password**
2. Individuals shall be able to unregister
3. Individuals shall be able to reset a forgotten password
4. Individuals shall be able to log into the system by using a registered email and password
5. Individuals shall be able to create to-do items
6. Individuals shall be able to view their to-do items as a list, each to-do item has a count-down timer that shows the time left
7. Individuals shall be able to view a list of items pending
8. Individuals shall be able to reassign to-do items
9. Individuals shall be able to accept or reject to-do items assigned to them
10. Individuals shall be able to view a to-do item
11. Individuals shall be able to assign existing to-do items to other registered individuals
12. Individuals shall be able to mark to-do items complete
13. Individuals shall be able to delete to-do items
14. Individuals shall be able to update to-do items

Expected Value

Tangible: Jeff and others will be able to use and plan their time more effectively.

Intangible: Jeff and others will have peace of mind knowing that they would not have forgotten things that they have to do.

Priority Lists

Highest: 1, 4, 5, 6

High: 10, 12, 13, 14

Medium: 7, 8, 9, 11

Low: 2, 3

1. User Story – Register for an Account

Unregistered User — Registers for account

powered by Astah

Primary Actors: *Unregistered Users*	

Use Case Name: **Unregistered User Registers For Account**	**Importance Level:** High

Stakeholders:	*Jeff Roach, Unregistered Users, Developers*
Story:	*As an unregistered user, I want to register for an account, so that I can track my to-do items.*
Quality Requirements:	*None*
Pre-Conditions:	*None*
Post-Conditions:	*I am now a registered user.*
Relationships:	None
Trigger:	**Trigger Type:** External *I use a browser to navigate to the login page:* `[server]/countdown/login/` *or* `[server]/countdown/Login/index.html`.

Normal Flow of Events:	1. *CountDown displays the login page (See Figure 1).*
	2. *I issue the 'Register' command.*
	3. *CountDown displays the registration page:* `[server]/countdown/register/` *(See Figure 2)*
	4. *I enter registration data into the fields:*
	   a. `<First name> ::= `^{1}{`<any alphanumeric character>`}^{50}
	   b. `<Last name> ::= `^{0}{`<any alphanumeric character>`}^{50}
	   c. `<Email> ::= `*Standard email address as outlined here:* http://en.wikipedia.org/wiki/Email_address
	   d. `<Reenter email> ::= <Email>`
	   e. `<Password> ::= `^{4}{`<any alphanumeric character>`}^{50}
	      i. *Displayed as password dots*
	   f. `<Reenter password> ::= <Password>`
	5. *I issue the 'Submit' command (See **Alternative: Page Alternative Flows**).*
	6. *CountDown validates my input (See **Exception: Validation**)*
	7. *CountDown saves my data (See **Exception: Unexpected Error**).*
	8. *CountDown displays the login page with a 'Registration successful' message and my email in the email address field.*

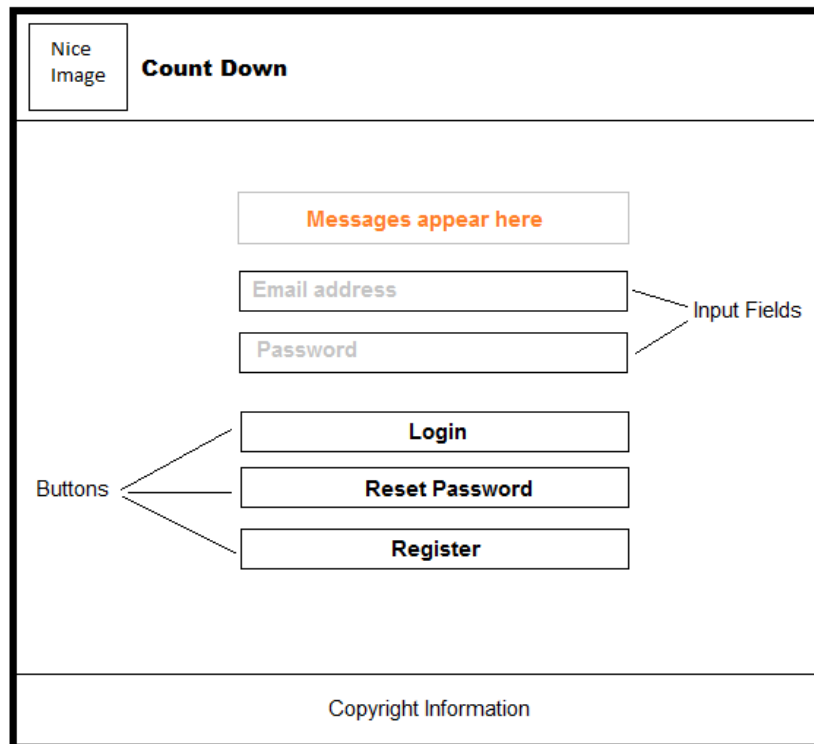|	

Alternative/Exception flows:	1. *__Alternative: Page Alternative Flows__*
	    i. *If I click the **Login** link at any time, CountDown displays the login page.*
	    ii. *If I issue the **Clear** command, the input fields are cleared.*
	2. *__Exception: Validation__*
	    i. *If the first name is invalid then "The first name must be from 1 to 50 characters in length" is displayed next to the first name field.*
	    ii. *If the last name is invalid then "The last name must be from 0 to 50 characters in length" is displayed next to the last name field.*
	    iii. *If the email address format is not standard then "Please enter a valid email address" is displayed next to the email field.*
	    iv. *If the reenter email does not match the email then "Emails do not match" is displayed next to the reenter email field.*
	    v. *If the password is invalid then "The password must be from 4 to 50 characters in length" is displayed next to the password field.*
	    vi. *If the reenter password does not match the password then "Passwords do not match" is displayed next to the reenter password field.*
	3. *__Exception: Unexpected Error__*
	    i. *If an unexpected exception is thrown then CountDown displays the system error page (see Figure 3).* **This is applicable to all pages.**

Figure 1(Login)

Figure 2(Registration)

Figure 3(System Error)