



Team: Erin Boeger, Edward Crawford, Kyle Knight, Josh Rinaldi

Title: CU Engage

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Design Pattern: We are using the Composition design pattern (with an Active Record Base)

Project Summary: The aim of this project is to work with CU Engage to create a way of storing information about their on-campus programs, as well as the community partners that those programs work with. People using this site would be able to find descriptions of what each program does and which partners in the community that program works with to achieve it's goals. Another function will be to retrieve contact information of these organizations in an effort to better connect students to those programs or partners to further their professional and personal development.

Current Development Repository: https://github.com/SullysMustyRuby/cu_app

Project Requirements (table):

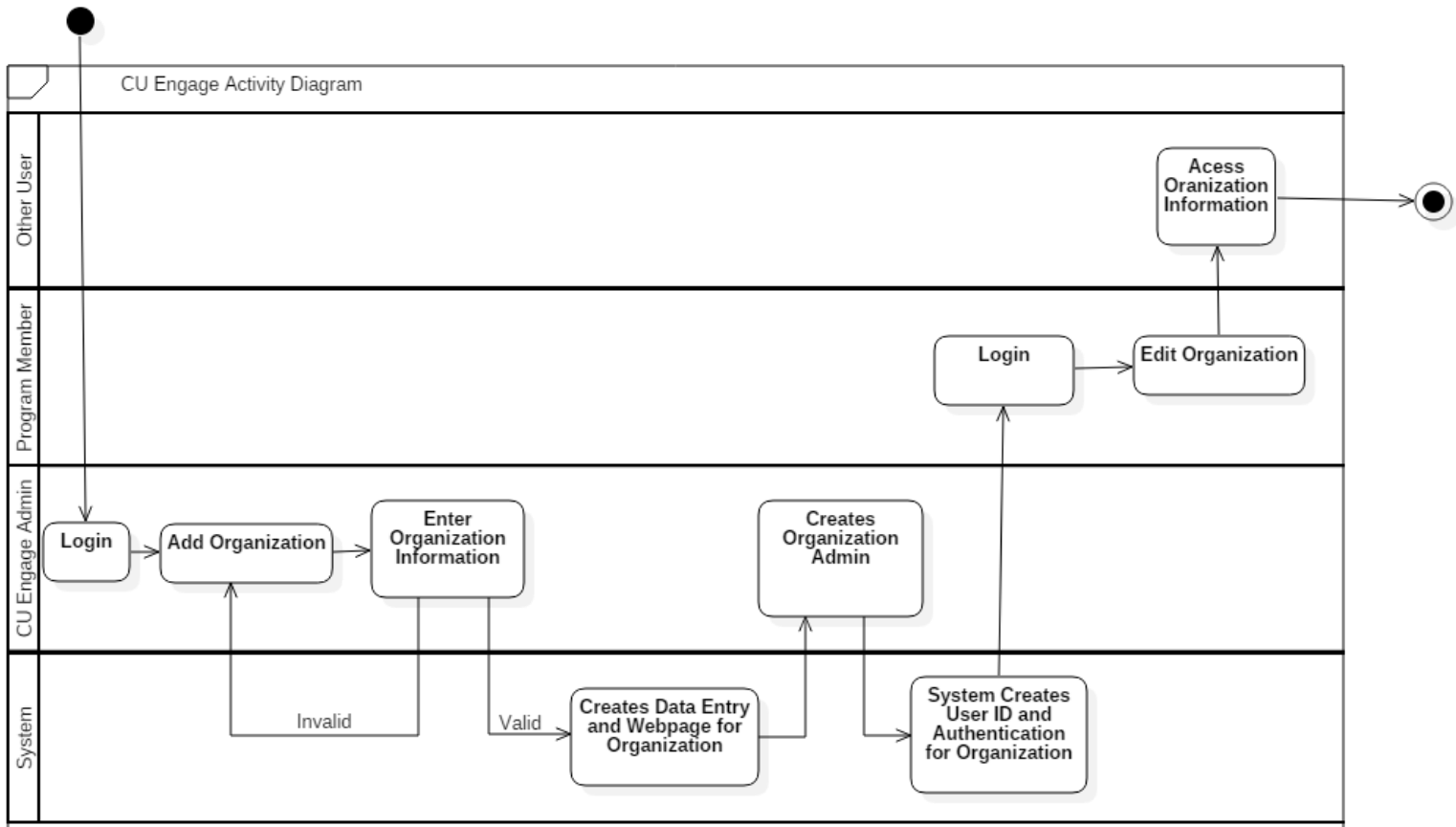
User Requirements		
ID	Description	Priority
UR-01	Ability to find programs based on what partners they are involved with	High
UR-02	Ability to find partners based on what programs they are involved with	High
UR-03	Program Admins able to edit their program and affiliated partners.	Med
UR-04	CU Engage Admin able to add or remove programs	High
UR-05	Ability to get contact info for various partners/programs	High
Functional		

Requirements		
ID	Description	Priority
FR-01	Able to add, edit, and remove programs/partners as they (dis)appear	High
FR-02	Search programs and partners by categories	High
FR-03	Different roles of the users. CU Engage Admin, Program Admin, Regular user	High
FR-04	Ability to edit or add different categories for partners	Med
FR-05	A Partner should have a name, description, address, contact (person), website, phone, email, type, categories	
FR-06	A Program should have a name, description, address, contact (person), website, phone, email, type, categories	
Business Requirements		
ID	Description	Priority
BR-01	users able to login through CU Identity system	High
BR-02	Store the information for programs and partners	High
BR-03	Accessible by mobile devices and computers	Med
BR-04	Potential partners be able to get information on becoming a partner to one or more of the programs	Low

Users and Tasks:

1. CU Engage Admin
 - a. Manage Other Users
 - b. Manage (Add / Edit / Delete) Organizations
 - c. Assist students with finding contact information for the organizations that they wish to work with.
2. Program Member
 - a. Manage Organizations that they are affiliated with.
 - b. Assist students with finding contact information for the organizations that they wish to work with.
3. Other User
 - a. Look through organizations, to see what each organization does, as well as what other organizations it works with.

Activity Diagram:



UI Mockup:

CU ENGAGE

UserID:

[Forgot UserID?](#)

Password:

[Forgot Password?](#)

Enter

CU ENGAGE

My Organization Organizations MyInfo Search Admin

▼ Projects

▼ Collaborators

Build pig cannon	Bored Engineers Inc.
Orbital Death Laser	Dr. Evil Foundation
Ransom Princess Peach	King Bowser/ Goomba & Sons.

▼ Staff	▼ Contact Info
Mr. Something O. Rother	SomethingORother@whatnot.org
Ms. Tota Lee Reel	TLReel@lexist.com

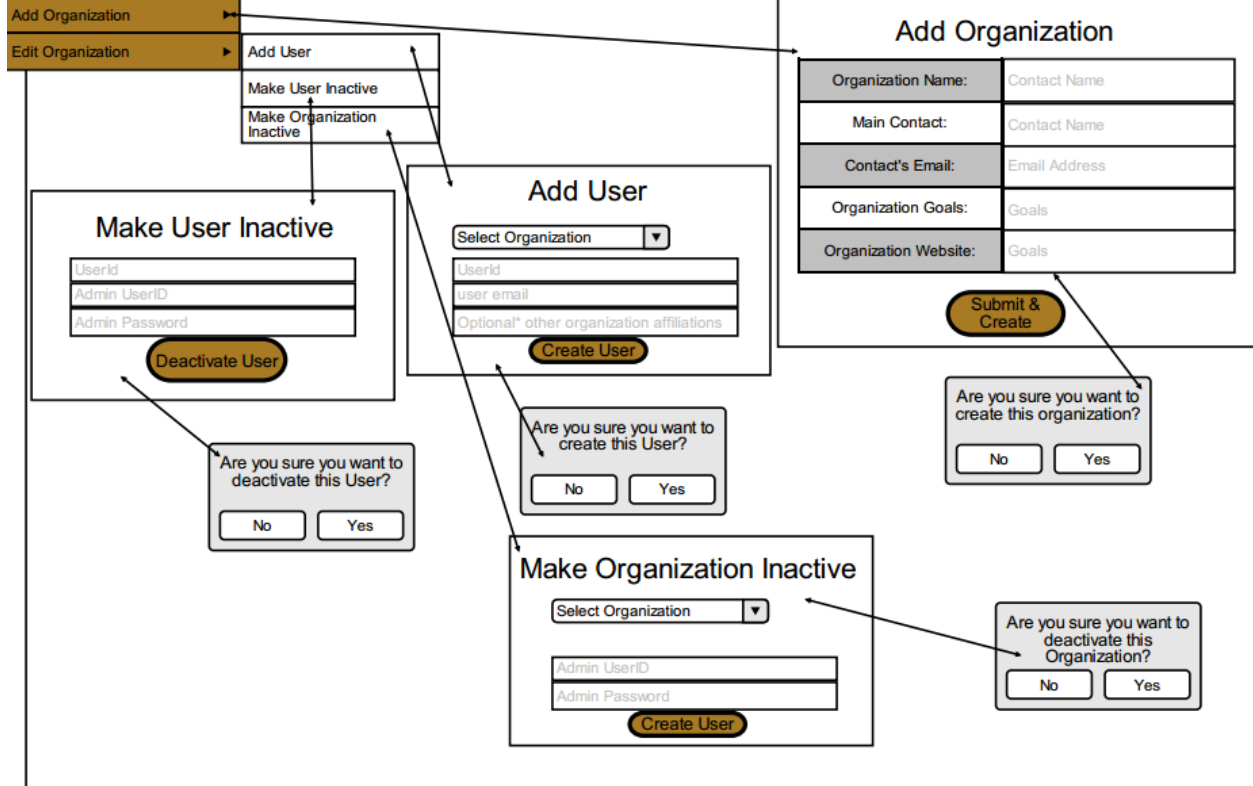
CU ENGAGE

My Organization Organizations MyInfo Admin

▼ Organization	▼ Staff Contact	▼ Contact Info	▼ Organization Goals	▼ Website
Emergency Family Assistance Association (EFAA)	Not Listed	N/A	Fighting Poverty	http://www.efaa.org/
Safehouse Progressive Alliance for Nonviolence (SPAN)	Not Listed	N/A	Preventing Domestic Violence	http://www.safehousealliance.org/
School Readiness Initiative	Chris Barge	Chrisbarge@madeupemail.com	Promote Community Wellness	http://www.commfound.org/communityleadership/schoolreadiness
Student Outreach & Retention Center for Equity (SORCE)	Victor Hernandez	VHernandez@alsototallyfakeemail.com	Social Justice/ Gender Equality	http://www.colorado.edu/cue/

CU ENGAGE

My Organization Organizations MyInfo Admin



CU ENGAGE

My Organization Organizations MyInfo Admin



Ms. Mai Naym

Email: MaiNaym@colorado.edu

Organizations I am Affiliated With	Websites
Pig Cannons 'R' Us	www.Whenpigsfly.com
Orbital Doom Solutions	http://DeathfromSpace.org
Coalition for Bears with Jet-Packs	www.BearsBelongInTheSky.com
LaserShark Inc.	www.FriggenLazerbeamz.com

User Interaction:

Use Case ID:	001
Use Case Name:	Access Information on Program
Description:	User visiting CU Engage Website to access information on a particular Program.
Actors:	Other User
Pre-Conditions:	User has network connection
Post-Conditions:	User gains necessary knowledge on one or more CU Engage Programs and affiliated partners.
Frequency of Use:	Whenever a user needs to learn about a CU Engage program or partner.
Flow of Events:	<ol style="list-style-type: none">1. User opens up web browser and goes to CU Engage webpage.2. User uses portal to manually find or search for particular program.3. User is presented information on that program and any affiliated partners.4. Users can then find other programs that have similar affiliated partners.
Variations:	User leaves CU Engage portal by clicking on a partners webpage
Notes and Issues:	Use case is for user with zero authentication access.
Developer Notes:	User not able to edit or add information on portal.

Use Case ID:	002
Use Case Name:	Edit Organization
Description:	Update information about various Programs and Partners in the CU Engage program.
Actors:	CU Engage Admin, CU Engage Staff Member
Pre-Conditions:	<ol style="list-style-type: none"> 1. Organization must already exist. 2. User must have administrative access to that Organization.
Post-Conditions:	<ol style="list-style-type: none"> 1. Must be a change in the Organization's information. 2. Organization's information, including contact information, as well as all partnerships, will be up to date.
Frequency of Use:	As needed for each organization, as its' information is updated.
Flow of Events:	<ol style="list-style-type: none"> 1. User opens webpage portal to authentication screen. 2. Enters credentials, and goes to user's home page. 3. Hit "Edit Organization" button. 4. User makes appropriate changes to the organization's information. 5. User saves the information and exits the editing window.
Variations:	<ol style="list-style-type: none"> 2a. Invalid credentials, cannot go to user's home page. 3a. User is CU Engage Admin; must select the organization to edit
Notes and Issues:	<ol style="list-style-type: none"> 1. Must ensure that users can only edit the appropriate organization pages.
Developer Notes:	<ol style="list-style-type: none"> 1. To ensure users can only access their specific Organizations, Organizations must be mapped to users (if necessary, e.g. a Community Partner doesn't need a user, because the Users will be from the Campus Programs).

Use Case ID:	003
Use Case Name:	Add User
Description:	Create New User with Access to the System
Actors:	CU Engage Admin
Pre-Conditions:	<ol style="list-style-type: none"> 1. User has administrative access. 2. Organization is not already active in CU Engage.
Post-Conditions:	<ol style="list-style-type: none"> 1. New User is listed on CU Engage website with related information. 2. User has access to all appropriate information and privileges with regards to editing organization information.
Frequency of Use:	Once per User
Flow of Events:	<ol style="list-style-type: none"> 1. Existing user opens webpage portal to authentication screen. 2. Enters credentials, and goes to admin page. 3. Hit "Add User" button on admin page. 4. Prompted to enter required information on new user, including, but not limited to basic contact information and the Organizations that user has access to. 5. User prompted to accept credentials. 6. System creates a user account using the entered information. 7. New user is able to access the CU Engage system and manage their organizations.
Variations:	<ol style="list-style-type: none"> 1. Invalid Credentials 2. Cannot create new Organization
Notes and Issues:	<ol style="list-style-type: none"> 1. Must enter all pertinent information in fields before new user can be created. 2. Must have connection to create.
Developer Notes:	User has administrative access and network connection. Automatic HTML Page making for new Organizations.

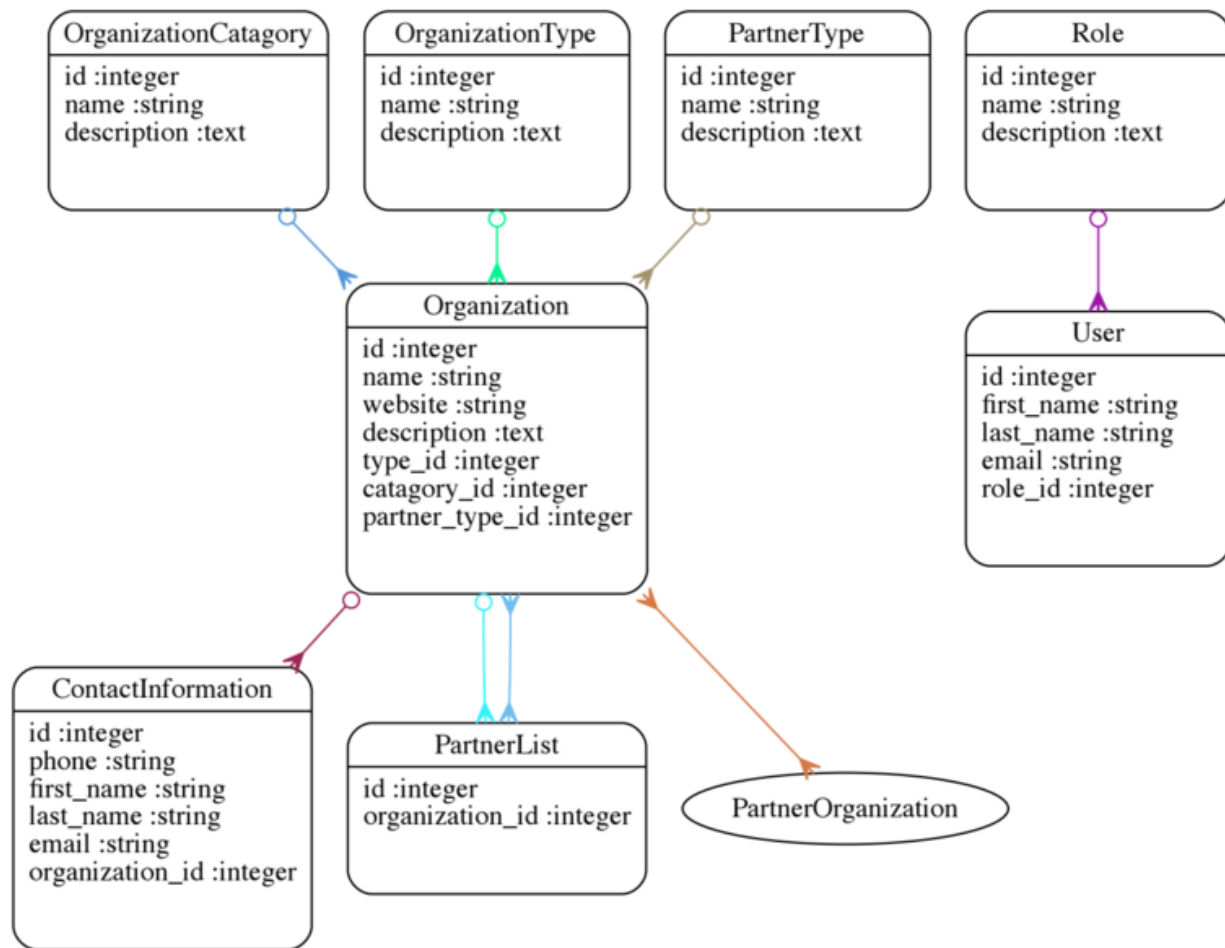
Use Case ID:	004
Use Case Name:	Add Organization
Description:	Create New Organization on CU Engage Website
Actors:	CU Engage Admin
Pre-Conditions:	<ol style="list-style-type: none"> 1. User has administrative access. 2. Organization is not already active in CU Engage.
Post-Conditions:	<ol style="list-style-type: none"> 1. New Organization is listed on CU Engage website with related information. 2. Organization has all correct relations to other organizations and/or off-campus programs as well.
Frequency of Use:	Once per Organization
Flow of Events:	<ol style="list-style-type: none"> 1. User opens webpage portal to authentication screen. 2. Enters credentials, and goes to admin page. 3. Hit add organization button on admin page. 4. Prompted to enter required information on new program, including but not limited to: Name, main contact, email, description/goals, and partners. 5. User prompted to accept credentials. 6. System creates a webpage and URL based on entered credentials. 7. New Organization & Webpage is active on CU Engage System..
Variations:	Invalid Credentials, Cannot create new Organization.
Notes and Issues:	<ol style="list-style-type: none"> 1. Any other information that should be attributed for each Organization? 2. Must have connection to create.
Developer Notes:	User has administrative access and network connection. Automatic HTML Page making for new Organizations.

Use Case ID:	005
Use Case Name:	Make Organization Inactive
Description:	Set organization to inactive and removes users' ability to view information about it.
Actors:	CU Engage Admin
Pre-Conditions:	<ol style="list-style-type: none"> 1. Organization must exist 2. Organization must have active status 3. User must have valid access to account. E.g. User must have administrative privileges
Post-Conditions:	<ol style="list-style-type: none"> 1. Intended organization is set as inactive 2. Intended organization's ability to be accessed by users is removed.
Frequency of Use:	Whenever an organization needs to be removed from the CU Engage system.
Flow of Events:	<ol style="list-style-type: none"> 1. User opens webpage portal to authentication screen. 2. Enters credentials and goes to user's home page. 3. Hit "Edit Organization" button. 4. Hit "Deactivate Organization" button. 5. System replies with a request to confirm this is the intended organization. 6. User confirms the organization is correct. 7. System confirms that intended organization is set to inactive status. 8. Intended organization's ability to be viewed and edited by users is removed.
Variations:	<ol style="list-style-type: none"> 1. Initial credentials are incorrect and the admin is denied access. 2. Organization is already inactive and cannot be set to inactive a second time. 3. User clicks no when confirming organization.
Notes and Issues:	User must have editing privileges for that organization.
Developer Notes:	May keep boolean category of "active" in database to keep track of active organizations.

Use Case ID:	006
Use Case Name:	Make User Inactive
Description:	Set user profile to inactive and removes their ability to edit information
Actors:	CU Engage Admin
Pre-Conditions:	<ol style="list-style-type: none"> 1. User must exist 2. User must have active status 3. User causing account to become inactive must have valid access to account. E.g. User must have administrative privileges
Post-Conditions:	<ol style="list-style-type: none"> 1. Intended account is set as inactive 2. Intended account's access to editing its' organizations information is removed.
Frequency of Use:	Whenever an organization needs to remove a member's ability to edit their online information.
Flow of Events:	<ol style="list-style-type: none"> 1. User opens webpage portal to authentication screen. 2. Enters credentials and goes to user's home page. 3. Hit "Edit Organization" button. 4. Hit "Deactivate User" button. 5. User inputs UserID for the intended account. 6. System replies with a request to confirm this is the intended account. 7. User confirms the account is correct. 8. System confirms that intended user is set to inactive status. 9. Intended users editing and log-in capabilities are removed.
Variations:	<ol style="list-style-type: none"> 1. Initial credentials are incorrect and the admin is denied access. 2. entered intended Username is invalid and cannot be set to inactive 3. User is already inactive and cannot be set to inactive a second time. 4. User clicks no when confirming account name and the entered username data is reset.
Notes and Issues:	User must have editing privileges for their organization's information removed.
Developer Notes:	May keep boolean category of "active" in database to keep track of active users.

Data Storage: For data storage, we will be using SQLite for development and testing purposes. Our final database will depend on the host environment and CU's server database policies. The current prototype is written in Ruby on Rails and thus very flexible and can accommodate almost any database technology.

Class Diagram:



Note: Organizations (Program = On-Campus, Partner = Off-Campus)