

Software Testing Plan

Idea Engine

Team: FDIC#

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Document Version Control

Change History

Revision	Change Date	Description of changes	Author
Version 1.0	11/11/2014	Initial release	Ryan Johnson
Version 2.0	12/05/2014	Updated terms to match app	Ryan Johnson

Document Storage

This document and other project documents are stored on GitHub at:
[FDIC# - Project Documents](#)

Document Owner

Ryan Johnson is the main author and contributor of this document.

Purpose and Scope

This document outlines the test cases for the application, *Idea Engine*. Each test case corresponds to a tested feature of the application.

This document is a detailed extension of the Project Plan Document Section 5.2.

Features Tested

- App should get user credentials from local PC
- Ability to add a new project
- Ability to edit an already submitted project
- Ability for admin to add emissaries
- Ability for admin to add schools
- Restricting features to non-emissary users
 - Contributor Ability
 - Ambassador Ability
 - Admin Ability

Features not planned to be tested: low priority features discussed, but not planned or scheduled

- Mobile device compatibility.
- Automatic notifications
- Reporting

Test Cases

Test Case ID:	5.2.1.1
Title:	Authenticating user with credentials from local PC
Feature/Sub feature:	System Authentication/Identification
Purpose:	To ensure that only domain users can access the system.
Initial Conditions:	Upon application access, User on Home Page
Test Data:	Test scenario
Test Actions:	1. Go to the application landing page
Expected Results:	Current logged on user id should display the user's name View a table of New Ideas, Current Projects (if Admin another table called Archived Projects)

Test Case ID:	5.2.1.2
Title:	Ability to add a new project
Feature/Sub feature:	Project Submission/Database modification/Form Validation
Purpose:	To ensure any system user can contribute a project idea
Initial Conditions:	User is authenticated by system User is on Home Page
Test Data:	Domain specific text for each field
Test Actions:	<ol style="list-style-type: none"> 1. Go to the application landing page 2. Click 'Submit New Idea' link 3. Fill out fields 4. Click Create
Expected Results:	<ol style="list-style-type: none"> 1. Once 'Create' is clicked, redirected to landing page 2. Submitted project is in the list in Submitted status 3. Contributor is Name of person who submitted project 4. Timestamp project submitted is displayed

Test Case ID:	5.2.1.3
Title:	Ability to edit an already submitted project
Feature/Sub feature:	Project Edit/Database modification/Form Validation
Purpose:	To ensure system user can edit their own project idea submission.
Initial Conditions:	A project idea has already been submitted
Test Data:	Domain specific text for each field
Test Actions:	<ol style="list-style-type: none"> 1. Go to the application landing page 2. Click the Title of the project to edit/add information 3. Details of the project are shown. Click edit to make changes 4. Text fields with data from database are shown. 5. Add/change data, then click save
Expected Results:	<ol style="list-style-type: none"> 1. Redirect to landing page. 2. Project is shown in table with changes made 3. Timestamp of update and Idea Submitter is displayed.

Test Case ID:	5.2.1.4
Title:	Ability for admin to add emissaries
Feature/Sub feature:	Project Assignment/Database modification
Purpose:	To ensure admin can add ambassadors and other admins for the system.
Initial Conditions:	User is authenticated by the system with admin permission.
Test Data:	Text data from form domain
Test Actions:	<ol style="list-style-type: none"> 1. Go to the application landing page 2. Click 'Emissaries' Link 3. Click 'Add' button 4. Insert text in fields 5. Choose permission by clicking check boxes 6. Optionally assign to Projects/Schools using drop down and add button 7. Click 'Save'
Expected Results:	<ol style="list-style-type: none"> 1. Redirect to Emissary page. 2. New Emissary is shown with permission level in table

Test Case ID:	5.2.1.5
Title:	Ability for admin to add schools
Feature/Sub feature:	School submission/Database modification/Form Validation
Purpose:	To ensure admin can add schools to the system.
Initial Conditions:	User is authenticated by the system with admin permission.
Test Data:	Text data from form domain
Test Actions:	<ol style="list-style-type: none"> 1. Go to the application landing page 2. Click 'Schools' Link 3. Click 'Add' button 4. Insert text in fields 5. Optionally assign projects/emissaries using drop down and add button 6. Click 'Save'
Expected Results:	<ol style="list-style-type: none"> 1. Redirect to Schools page. 2. New School is shown with school's contact info

Test Case ID:	5.2.1.6
Title:	Restricting features to non-emissary users
Feature/Sub feature:	System Authentication/Identification/Data modification
Purpose:	To ensure that system users can perform tasks based on their permission level (or lack of permission level)
Initial Conditions:	System user is authenticated by system.
Test Data:	Test various scenarios
Test Actions:	<ol style="list-style-type: none"> 1. Go to the application landing page as contributor(C1,C2) 2. C1 and C2 submits and edits their own project idea. 3. Ambassadors (A1 and A2) access the system. 4. A1 and A2 submits and edits their project. 5. Admin accesses system and can view and edit projects submitted by C1, C2, A1, and A2. 6. Admin assigns an ambassador and school to project, (A1 to C1 project, A2 to C2 project) then changes the status from Submitted to Assigned. 7. Admin adds new ambassador and new school.
Expected Results:	<ol style="list-style-type: none"> 1. C1, C2, A1, and A2 can view each other's project, but only edit their own. 2. Admin can view and edit all projects. 3. Upon assignment of a project, A1 can view an edit C1's project, A2 can view and edit C2's project. 4. A1/A2 can update status from Assigned to In Progress. 5. Contributor and Ambassador cannot change the school assignment. 6. Contributor cannot view, add, edit, school contact info 7. Ambassador can view, but not add, edit school contact info.