FIU | Computing & Information Sciences

Advanced Software Engineering, Fall 2018
VIP 9.0

Student: Brenda Izquierdo, Florida International University
Mentor: Robert Hacker, Director of StartUP FIU
Instructor: Dr. Masoud Sadjadi, Florida International University

Problem

The first VIP website was launched in 2015 to facilitate the proposal of projects from faculty members and the enrollment of students. Originally, there were three roles: *Student, Staff/Faculty* and *Pi/CoPi*. These roles were sufficient in the beginning, but as projects became large-scale so did the need of attracting investors

Solution

Our team's job was to add the investor role to the existing website and create several tools to help investors find VIP projects that they would like to fund

Implementation

MEAN Stack
❖MongoDB is used for the database
❖Express is used as the framework for the web server
❖AngularJS is used for the framework of the web client
❖Node.js is the platform used for the server

Development Tools
❖ Firefox (browser)
❖ Brackets (source code editor)
❖ Bitbucket (code repository)
❖ Confluence (for user story mapping)

Verification

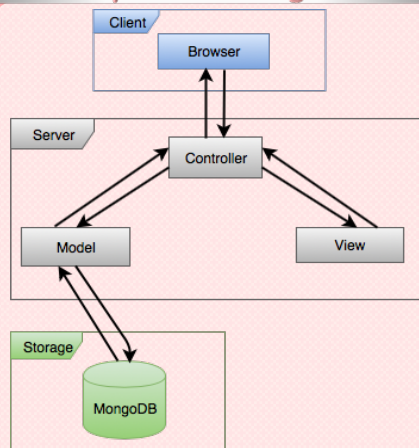| Test Case ID	INVS_24_UT_Registration_02 (Sunny Day)
Description/Summary of Test	Panther ID and Rank are disabled in the registration form as soon as investor is selected as the user type
Pre-condition	• Investor clicks on "Create an account" under the login form • Investor starts filling the registration form • Investor clicks on the dropdown menu User Type and selects the last option, investor
Expected Results	• Fields Rank and Panther ID are disabled immediately
Actual Result	• Fields Rank and Panther ID are disabled immediately
Status	PASS

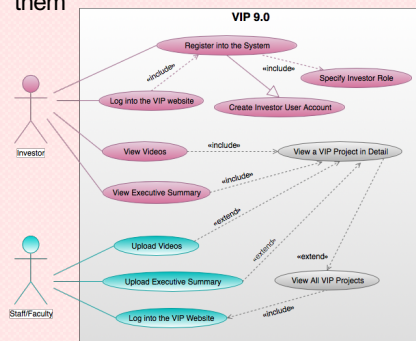| Test Case ID	INVS_23_IT_Upload Documents_01 (Sunny Day)
Description/Summary of Test	Staff/Faculty cannot use the upload form if he or she is listed as a product owner in the project

Pre-condition	• Staff/Faculty logs into the website with the following credentials:
	  • email: margaret.brisbane@miamidade.gov
	  • password: bizqu002test@gmail.comB
	• Staff/Faculty clicks on Projects in the main menu
	• Staff/Faculty clicks on the "Agenda Management System Ver 1.0" project
	• Staff/Faculty clicks on the Upload button

Expected Results	• "You can't do that. You do not have permissions to perform this action" message is displayed • Note: The upload form is meant for Staff users to add demo videos and executive summaries preferably before Pitch Day so that investors can see them and decide if they are interested in the project, if the Staff/Faculty member is a product owner in the project then they should be able to add documents through the Edit form
Actual Result	• "You can't do that. You do not have permissions to perform this action" message is displayed
Status	PASS

Current System

VIP 8.0
Student: Search and apply for projects.
Staff/Faculty: Propose and manage their own projects. *Pi/CoPi:* Manage the VIP projects and validate new accounts
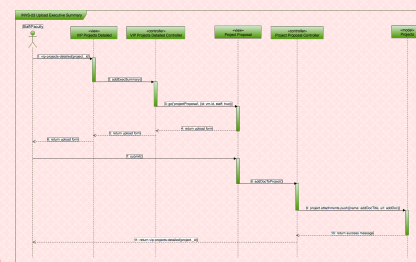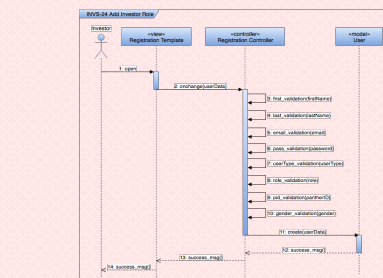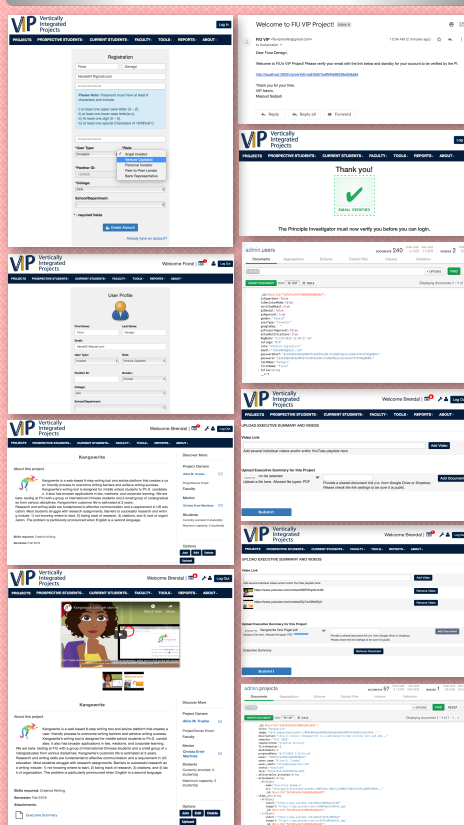
System Design

Screenshots

Requirements

My task was to add the investor role to the VIP website so that investors can create an account after filling the registration form and specifying their role (angel investor, venture capitalist, etc). I also worked on creating an interface for Staff/Faculty members to upload executive summaries and video demos for projects so that investors can notice them

Summary

The VIP brings together faculty, staff, and students from FIU to participate in long-term research projects. The first VIP website was created in 2015. Since then, eight new versions have been launched. My contribution for this version was to add the investor role to the system and to enable staff and faculty members to upload executive summaries and videos for any project

Acknowledgments