Outsourcing of Network Services Assessment Tool
HowdyCoders
Iteration 0 Report

Scrum Master: Chengyi Min   Product Owner: Eikagra Sharma

Meeting Time:

Client: 10:30 am - 11:30 am   Wednesday HRBB 307

TA: 12:00 pm - 1:00 pm   Wednesday TA's office

GitHub repo: https://github.com/howdycoders

Vimeo link (Client Interview): https://vimeo.com/294515063

Pivotal Tracker: https://www.pivotaltracker.com/n/projects/2204673

Summary

1. The main customer need:

There is an inherent challenge for government agencies to determine whether or not a network service is appropriate to be outsourced from a certain company. These decisions take into consideration the following risk factors:

1) Trustworthiness of individual companies (i.e. employee demographics)
2) Current security practices of companies
3) Financial aspects

Decision makers have been relying on an extensive Excel spreadsheet that encompasses the above information. The main customer need is to build a web application version of this existing system with improved functionalities such as user interactions and efficient data management.

2. How the application meets it:

We are to build a web application that is an open source, posted on a GitHub repository that customers can download. It will constitute a web front end with a web interface that takes inputs in the form of text boxes from users and enables uploading of information in a structural format to the database. Then, information fetched from the web front end is posted to the database backend. The application will also implement an additional form of analytics that would provide more opportunities for decision makers to see the risk implications associated with companies and their practices, compared to the existing system.

3. Stakeholders:

The U.S. government agencies in general

User Stories

Feature: Submit a file to Outsourcing of Network Services Assessment Tool System
  As a government agency
  I should be able to upload a spreadsheet file to the system
Scenario: Submit an existing form to serve as the backend
  Given I am on the upload page
  And I choose the file and press upload
  Then the file can serve as the backend of risk evaluation.

Feature: Fill out and submit a form to the Outsourcing of Network Services Assessment Tool System
  As a company representative
  I want to fill in information regarding security, trust level and financial state of my company
  and submit it
Scenario: Fill in the form and successfully submit
  Given I am on the edit information page
  And I fill in some of the forms
  And I press submit
  Then users can evaluate my company's risk
  And I should be able to decide who is able to see that information explicitly.

Feature: Visualizing charts of risk assessment
  As a user of the system
  I want to see the risk assessment results of one or more companies
Scenario: See the charts
  Given I am on the result page of risk assessment
  Then I should see the results in the form of bar charts
  And I will know which company is recommended to choose.

Feature: Scoring risk assessment of companies
  As a user of the system
  I want to see expected scores of different aspects of companies
Scenario: See numbers in the colored buckets
  Given I am on the alternative result page of risk assessment
  Then I should see suggestions
  And I should see colored indicators in an informative and intuitive way
  And missing information is highlighted
  But missing information is not represented as a low score