Project Closure Report

Project Name: Night's Watch

Group: Group 6

Focus Area: Website for Hoosier National Forest

Product/Process: Agile Methodology

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Report by: Shantanu Kotambkar

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1 PROJECT CLOSURE REPORT PURPOSE

Project Closure Report Purpose

The Project Closure Report is the final document produced for the project and is used by senior management to assess the success of the project, identify best practices for future projects, resolve all open issues, and formally close the project.

2 PROJECT CLOSURE REPORT GOALS

Project Closure Report Goals

This Project Closure Report is created to accomplish the following goals:

- Review and validate the milestones and success of the project.
- Confirm outstanding issues, risks, and recommendations.
- Outline tasks and activities required to close the project.
- Identify project highlights and best practices for future projects.

3 PROJECT CLOSURE REPORT SUMMARY

3.1 Project Background Overview

Project Background Overview

The project was to develop a website for the Hoosier National Forests dark sky project with features such as:

- Login & Registration.
- OAuth Login via Google & Facebook.
- Dual Authentication.
- Forgot Password feature.
- Interactive Map with terrain and satellite views that displayed sensors image, light intensity and battery level along with the location.
- Live data mining and retrieval of sensor data from web API.

3.2 Project Highlights and Best Practices

Project Highlights and Best Practices
Project Highlights: 1. Implemented and hosted a website for Hoosier National Forest. 2. Learned and developed the project using Django. Best Practices: • Agile Software Methodologies. • Project Collaborations using Github and Jira.

3.3 Project Closure Synopsis

Project Closure Synopsis
The project Night's watch is completed in the course P565- Software Engineering and all the deliverables have been delivered to the customer.

4 PROJECT METRICS PERFORMANCE

4.1 Goals and Objectives Performance

Goals and Objectives Performance
The features we developed in this project are: • Login & Registration. • OAuth Login via Google & Facebook. • Dual Authentication. • Forgot Password feature. • Interactive Map with terrain and satellite views that displayed sensors image, light intensity and battery level along with the location. • Live data mining and retrieval of sensor data from web API. • Search feature to search location on the map. • Mark and Unmark favorite sensors. • Weather Widget • Hourly & monthly analysis and display of data from sensors. • Sensor Value meters for making sensor data visibly appealing. • Manage Sensors for admins • Manage user's rights by admins (Addition, deletion and modification of sensors basic information). • Feature developed to keep at least one admin in the system at all times. • User Profile for users to know and connect to each other. • Search for User's using keywords that helps search a user using their entire profile, along with various filters provided. • Addition of discussion topics by all users. • Deletion of discussion topics by admins. • Separate Discussion Boards for each topic. • General Purpose chat rooms. • Discussion Board also includes feedback and discussion. • Hosting the website on silo (IU server).

4.2 Success Criteria Performance

Success Criteria Performance
The success criteria has been 100%, throughout the project. The remaining tasks were scheduled to the immediate next sprint, but were completed by the end of the project.

4.3 Milestone and Deliverables Performance

Milestones and Deliverables Performance
All milestones and deliverables were completed by the end of the project and delivered.

4.4 Schedule Performance

Schedule Performance
The project was completed in 5 sprints. 1. First sprint dealt with developing user authentication system. 2. Second sprint dealt with developing user profiles, and sensor management, dual authentication. 3. Third sprint dealt with developing User role management, sensor management. 4. Fourth sprint dealt with developing Search with filter for users, search of sensors, development of group chat, Weather widget and favorite sensor management. 5. Fifth sprint dealt with developing Discussion Board, Display of graphical data, and debugging.

5 PROJECT CLOSURE TASKS

5.1 Resource Management

Resource Management
[**The project knowledge and resources are well documented in user manual, system design document and test plan documents.**

5.2 Issue Management

Issue Management
Issues were resolved by peer programming, and timely collaboration of project code. Also, Git Version control proved useful for issue management.

5.3 Risk Management

Risk Management
Risks regarding security of the website developed, were handling by developing our very own dual authentication, token system. The Project risks were assessed throughout the project and dealt with simultaneously.

5.4 Quality Management

Quality Management
• Quality of the project was maintained using regression testing, and unit testing principles.

5.5 Communication Management

Communication Management
1. Most of the communication was done formally through emails. 2. Regular meetings at end of each sprint lead to be a successful way. 3. Project was collaborated using tools like Github, and Jira.

5.6 Customer Expectation Management

Customer Expectation Management
1. Regular meetings with the customers that included prof. Bryce and Priyanka Cherukuri were held to manage Customer expections. 2. After every sprint, feedback from the customer, and new tasks were discussed, this lead to a customer satisfied product.

5.7 Lessons Learned

Lessons Learned

- Learnt Technologies and languages like Django
- Lessons learned included working in team
- Learned implementation of Agile methodologies in software project development.

5.8 Postproject Tasks

Postproject Tasks
Post project tasks include: **1.** Creation of User Manual. **2.** Live hosting of project **3.** Proper documentation of the project.

6 PROJECT CLOSURE REPORT APPROVALS

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Customers: Prof. Bryce, Priyanka Cherukuri.

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7 Links

Github link: https://github.com/adarshnb95/P565-NightWatch

Hosted on : silo.soic.indiana.edu:54540