Integrated Project Plan

Project Name: PinUp

Date: 3/25/2018

Project Manager(s): Xavier Davis, Nabeel Hussain

1.0 Introduction

We will be creating an application that allows a user to create tasks, and reward payouts upon completion of those tasks. Payout functionality will be executed by use of the Stellar Lumens blockchain technology. Upon completion of the task the original proposer of the task must confirm the completion of the task to initiate payout. Email notifications are used to provide updates to users on task completion statuses.

- Major deliverables:
  - PinUp internet application, May 6, 2018
- Milestones:
  - Project Plan
  - Project Design
  - Test Plan
  - Phase 1, 2, & 3 source
  - Final submission
- Major Known Risks:
  - N/A
- Assumptions and Constraints:
  - Ease of use of Stellar Horizon API
  - Users possessing minimum system requirements and JDK
- Personnel
  - Xavier Davis: Project Manager/Software Engineer
  - Nabeel Hussain: Project Manager/Integration Engineer
  - Shawn Sokoloski: Technical Writer
  - Fleury Keigno Do Satchou: Test Engineer

The purpose of this document is to provide the project team and professor with a clear definition on how the communication, risk, changes, and time will be managed and controlled for this project.

2.0 Project Contacts

This table is a directory of individuals who play a significant role or can have significant impact on this project. This table should be updated as needed.

Name	Role	Email
Xavier Davis	Project Manager/Software Engineer	x.davis1993@gmail.com
Nabeel Hussain	Project Manager/Integration Engineer	nabeelh21@gmail.com
Shawn Sokoloski	Technical Writer	sasokoloski@gmail.com

Fleury Keigni Di Satchou	Test Engineer		keignif100@gmail.com		

3.0 Communications Management

What	When	How	Responsible	Approval	Audience
Formulate team	12 March 2018	Discussion post	Instructor	Approved	Gain feedback on project idea
Project Kickoff	19 March 2018	Cyber meetings	Project Manager		
Test Plan	25 March 2018	Discussion post/cyber meetings/Slack	Technical Writer		Peer review
Design	1 April 2018	Discussion post/cyber meetings/Slack	Software Engineer		Peer review
Phase I	08 April 2018	Discussion post/cyber meetings/Slack	Software Engineer		Peer review
Phase II	15 April 2018	Discussion post/cyber meetings/Slack	Software Engineer		Peer review
Phase III	23 April 2018	Discussion post/cyber meetings/Slack	Integration Engineer		Peer review
Testing	29 April 2018	Cyber meetings	Test Engineer		Team review
Final Submission	06 May 2018				

4.0 Risk Management

Lost Source Code
At the end of each coding session, pushes should be made to GitHub to preserve new amendments to the source code. A new branch will be generated for each of the four project phases. As each phase is completed the branch will be merged with the master copy to represent the total summation of work at that given time. In the situation of a workspace deletion or loss of source code, the project managers will have to ability to restore previous work by fetching source code from latest GitHub branch.

Server Maintenance
Hosting services provided by Amazon Web Services, AWS, creates a server redundancy for any possible server downtime. If the main server designated to host the application is scheduled for maintenance time, then AWS will automatically rebalance the server traffic to a running host. This process can also be accomplished manually by the Project Manager who has admin rights to the AWS account.

Database Downtime

MongoDB Atlas service contains the ability to automatically replicate databases across 3 separate services, spread across three different geologically locations. If the main hosted database is determined inaccessible, the MongoDB will redirect all traffic to a replicated system without system admin interaction.

5.0   Change Management

This project will follow the Agile SDLC process, and the management of changes will be done by the designated project managers and engineers.

6.0   Quality Management Plan

This project will follow the Agile SDLC process, and the quality management plan will be created by the designated project managers and engineers.

Design how pieces fit together

April 15, 2018

Design database/ design front end forms

April 22, 2018

Design modules one at a time/ review front end code

April 26, 2018

Verify modules are reporting accurate data back to database

May 6, 2018

Test wrong input values and ensure error corrections is working

Put all modules together/ test program functionality

Delivery