Project Scope Statement

Project Name: Group 2: PinUp
Date: March 25, 2018
Project Managers: Xavier Davis, Nabeel Hussein

1.0 Project Statement

PinUp is an internet application that allows task, workgroup, and compensation management for users.

2.0 Business Drivers/Background

This project was proposed to address needs in small workforce settings, such as a family with chore duties or industrial/commercial settings with small tasks which must be addressed. It meets the criteria for the CMSC 495 final project and is sufficiently complex to utilize the work of four team members. PinUp adequately addressed the aforementioned industry need by providing a platform for employers, parents, and sponsors to post small tasks that require payment outside of official payroll formats.

3.0 Objectives

PinUp will be planned and development will be initiated by March 25. Multiple meetings and communications between group members per week will facilitate development and documentation, until unit and integration testing will be necessary by April 15. Three phases of source and subsequent peer reviewing will carry the project through its completion, and by May 6, 2018, PinUp will be deployed and fully operational.

4.0 Approach

PinUp approaches the need of a small task and compensation management application through its functionality. Users, being business owners, parents, or any person who requires the completion of small tasks, create accounts with PinUp. Accounts for subcontractors, children, or otherwise individuals performing the required tasks can then be created and maintained by the primary, sponsoring user. Tasks can be posted for all users in the group to see, complete with notes, expiration times, and payout amounts for their completion. Sub-users choose which task to complete, and all group users can see that the task has been initiated. Upon completion, the primary group user can verify its completion, and the payout amount will be transferred from the primary account to the Lumen Wallet of the sub-user who completed the task, via the Stellar Horizon API.

5.0 Assumptions and Constraints

5.1 Assumptions

- Relative ease of use of Stellar Horizon API
- Minimal or no need for licensing or startup capital for use of blockchain in application
- Users have access to adequate hardware and internet

5.2 Constraints

- This project relies on Amazon Web Services. If the application is to survive beyond the scope of this class, subscriptions must be renewed and updates applied going into the future.
- This project relies on the Stellar Horizon API to interface with a decentralized network for blockchain functionality. This may require updates to code if patches or API revisions are implemented by Stellar.

6.0 Scope

6.1 In Scope

- The project will contain the internet application PinUp.
- The project will use Amazon Web Services to host its source and databases.
- The project will allow the creation and management of user content.
- The project will have a unique and fully functional user interface.
- The project will have adequate documentation and comprehensive user manual.

6.2 Out of Scope

- The project will not contain functionality for mobile devices, tablets, or iOS.
- The project will not suggest financial institutions.
- The project will not be deployed into an application market (such as Google Play).
- The project will not contain advertisements or marketing.
- The project will not make use of application notifications. All notifying functionality will employ emails to users.

7.0 Schedule

Project start date: March 13, 2018

Phase 0

- Group creation
- Role assignment
- Frameworks, languages, software environments chosen
- General outline of project completed

Phase I

- Project Plan
- Additional requirements documentation
- Assessment of dependencies and extensions
- Collaborative workspaces setup

Phase II

- Development begins
  - Homepage and page flow
  - Registration and user database construction
  - Security measures
  - Automated notification services via email

Phase III

- Integrated testing
- Implement Stellar Horizon API

Phase IV
- Integrated testing
- Peer reviews
- Submission

Project end date: May 6, 2018

8.0 Cost Projection

N/A

9.0 Deliverables

Deliverable	Description	Target Date
Project Plan	Plan outlining the schedule, details, and flow of design of the project. This will contain the four documents specified by the Professor: Charter Form, Scope Statement, Integrated Project Plan, and High Level Requirements.	March 25
Test Plan	This will have a comprehensive list of potential issues, errors, and concerns for the development and completion of the project. It will specify how to test for these concerns, as well as offer solutions and workarounds to achieve application security and efficacy.	April 1
Project Design	This will have more visual elements of the project. This will display how the application will come together from a UI perspective, as well as back-end dependencies and UML diagrams detailing the relationships of modules.	April 8
Phase II Source	This first submission will contain HTML and CSS data for the homepage and major UI modules for application functionality.	April 15
Phase III Source	This submission will be an integrated, working model of the application with its user databases and full hosting.	April 22
Phase IV Source	This submission will have implementation of blockchain functionality with the Stellar Horizon API. It will also contain comprehensive user manual and documentation.	April 29
Final Submission	This submission will link to the fully functional, deployed PinUp application, and contain all necessary supplementary documentation.	May 6

10.0 Project Stakeholders

10.1 Roles and Responsibilities

Project Manager/Software Engineer: Xavier Davis, x.davis1993@gmail.com

- Discussion of project design
- Research and development of Stellar Horizon functionality
- Project development and programming
- Continual communication with team

Project Manager/Integration Engineer: Nabeel Hussein, nabeelh21@gmail.com

- Discussion of project design
- Project development and programming
- Integration of modules
- Continual communication with team

Test Engineer: Fleury Keigni Di Satchou, keignif100@gmail.com

- Discussion of project design
- Continual communication with team
- Development of test plan and unit testing
- Input and editing of documentation
- Reviewing of code and testing application

Technical Writer: Shawn Sokoloski, sasokoloski@gmail.com

- Discussion of project design
- Continual communication with team
- Development of documentation materials and user guide
- Input and editing of documentation
- Reviewing of code and testing application

11.0 Governances

N/A

12.0 Team Composition

N/A

13.0 Performance Measures/Outcomes

Daily communications between members of team will keep team updated on progress of module creation and project milestones. The milestone chart and schedule on this document detail the entire development process with reasonable dates of achievement to refer to during development. All group members are accountable, and can step in to help each other with any aspect of development and documentation if necessary.

14.0 Approval

We, the undersigned project members, including stakeholders, have reviewed this document and approve its contents.

Name	Title	Signature	Date
Xavier Davis	Project Manager Software Engineer	x.davis1993@gmail.com	03/25/2018
Nabeel Hussain	Project Manager Integration Engineer	nabeelh21@gmail.com	03/25/2018
Fleury Keigni Di Satchou	Test Engineer	keignif100@gmail.com	03/25/2018
Shawn Sokoloski	Technical Writer	sasokoloski@gmail.com	03/25/2018