# Revision History

| Version | Date | Description | Author |
|---------|------|-------------|--------|
| Inception Draft | Jan. 22, 2015 | First draft. To be refined during elaboration. | Alex Sears |

# Introduction

When completed, Project Desperado will be the way developers find new projects, find others to work with, and display their work for others to see.

# Positioning

### Business Opportunity

There are many systems in the market today that exist to connect people with talents to people who want to use those talents.  These include Linkedin, AngelList, Monster, and Indeed.  Other systems allow people to display their talents through some sort of portfolio.  These may include Carbonmade and Portfoliobox.  You can also consider Github and Bitbucket as ways for developers to show off the work they like to work on and contribute towards.  However, there isn't a system specifically for developers to show off their portfolio and find other developers to work on projects with them.  There are a few systems that try to connect developers together, but there isn't anything within the site to make people to want to work on projects.

### Problem Statement

There is a huge push for learning computer science at a younger age, but many new developers will be discouraged to continue if there isn't motivation to continue learning.  Many "portfolio" sites simply let you display work you have done.  The problem with this is there is no motivation to add things to the portfolio.  Many are discouraged by the perceived lack of quality of their own projects.  It may not look professional on the outside since the developer may not have any interest on making it look nice.  There would be more motivation if the developer could collaborate with someone looking to hone their design skills.  Both would be able to perfect their craft while learning to work in a team and creating a better product.  There isn't currently a system that connects these types of people and rewards them for their continued betterment.

### Product Position Statement

Project Desperado is a system for developers and designers to display their work and connect with others to collaborate on projects to expand their knowledge and portfolio.

**Alternative and Competition**

Github and Bitbucket can be seen as competitors since they allow developers to store their code in a remote location and others can then see the code in the repositories.  Meeet.co displays projects people need help with and allows users to browse them and join the project.

# Stakeholder Descriptions

**Stakeholder (Non-user) Summary**

- Businesses of all sizes looking for developers to hire

**User Summary**

- Developers looking for other developer or designers to collaborate with
- Designers looking for developers to collaborate with
- Administrators to manage users and projects and moderate the system
- Moderators to moderate the system

**Key High-Level Goals and Problems of the Stakeholders**

| High-Level Goal | Priority | Problems & Concerns | Current Solutions |
|---|---|---|---|
| Easy discovering of projects | High | Chance popular projects are only ones found<br>Completed projects have chance of being found | Meeet.co shows all rojects regardless of status and orders by date |
| Easy to "apply" to project | High | Too many people apply to one project<br>Project owner is spammed | Some allow owner to put project "in progress" to stop applications |
| Connect to Github and attach Github repo to project | Low | Lack of up-to-date information<br>Slower speed when importing information | None have this sort of integration |

**User-Level Goals**

The users (and external systems) need a system to fulfill these goals:
- User: register, login, manage projects, profile viewing
- System administrator: manage users, manage projects
- Moderator: enable and disable users, manage projects, manage comments/posts
- Github API: connect account to Project Desperado account, connect repo to Project Desperado project

# Product Overview

### Product Perspective

Project Desperado will be a web application.  This means it will be accessible from anything that can access the Internet.  It will be responsive, meaning that it will be usable from a mobile device, such as a phone or tablet, and on a desktop device.

### Summary of Benefits

| Supporting Feature | Stakeholder Benefit |
| --- | --- |
| The ability for a developer to join on a project. | Lets a user get experience and learn about a subject area they are interested in. |
| Having a user be able to search for help on a project. | Allows for someone who is looking for help on a project to find people to colaborate with. |
| User account and profile | Shows a history of a users projects and serves as a profile page. |
| GitHub Integration | Uses existing free repo resource to allow collaboration on projects through the site. |

### Assumptions and Dependencies

This app assumes, since the database store is MySQL, that MySQL will continue to be free and open-source.  Also, we are assuming the Github API will be consistent between versions. We will use the current version and prevent issues with updating.

### Cost and Pricing

Since this will be a school project there is no development cost. The cost comes down to getting a domain name and the cost to serve the site. Since this web app won't generate a large amount of traffic, at least at first, the cost of the server should be rather low.

**Licensing and Installation**

This project will be developed on the open stack so we don't have to worry about licenses for the languages or development software. We also won't have to worry about any extra password security software because we will validate login through a free external method (such as a Twitter or Github login).

**Summary of System Features**

1. Project Creation
2. Project Contributor User Search
3. User Profile Page Editor
4. Project Management
5. Ranking Algorithm