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| Dragon Boat Tool Kit Application |
| Project Vision Document | |
| **Version 1.0** | |
| 9/23/2019 | |

**Revision History**

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| Revision | Date | Author | Reviewed By | Summary of Changes |
| 0.1 | 9/23/2019 | Giuseppe Ragusa |  | Started Document |
| 0.2 | 9/28/2019 | Giuseppe Ragusa |  | Completion of Section 2 |
| 0.3 | 9/29/2019 | Giuseppe Ragusa |  | Complete of Section 4 / 5, part of 3 |

**Document Approval List**

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# Introduction

<Write an introduction of the Project Vision Document providing an overview of the entire document. >

## Purpose

The documents provided will contain the necessary details and information regarding the Dragon Boat Took Kit Application. This Data will include, but not be limited to, the Scope of the product, the goal of the product and the issue that the product will resolve, any strengths, weakness, concerns of benefits that will be tied to the product during and after development, any information or requests provided by the current stakeholders, and the features that the product will provide. Motivations for our corporation participating in this opportunity will be to provide a unique boating application that is currently lacking in the marketplace. The utilities and options offered by this application will make it a value tool that will be utilized by many consumers wanting a powerful application such as this.

## Scope

### In Scope

The Dragon Boat Tool Kit Application will provide a drag-and-drop GUI for boat optimization, including the seating of members in the boat, weight distribution of the boat and its members, seating optimization. In addition, the product will aim to provide a map interface with location tracking and route mapping. It will also provide details about the boat’s navigation including direction, distance, velocity, etc.

### Out of Scope

< Define the processes and system are not affected or influenced by this document >

## Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| Term | Explanation |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## References

| Reference File Name | Version | Description |
| --- | --- | --- |
|  |  |  |
|  |  |  |

This section also contains links to all other places that were referred to in this document. These may include:

* Web sites
* URLs or network locations

|  |  |
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| Name | Link |
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# Positioning

## Business Opportunity

The opportunity provided by this project would be to engage the corporation in the development of a unique product that is currently lacking in the marketplace. A project such as this provides a benefit to not only the corporation, but the consumers as well. The Application would give the corporation a form of identity by being responsible for its development, while also providing our users with an original product that will assist them with their needs.

## Problem Statement

The problem of coordinating optimized dragon boat member placement by manual methods affects the individuals involved with dragon boat activities, either as a team member or a team leader. The impact of which is a time consuming and inefficient method of dragon boat seating assignment, followed by a lack of information regarding the performance of the dragon boat team. A successful solution would be a software application offering algorithms that will allow for the process of dragon boat member placement to be achieved with great efficiency, in addition to provide a variety of tools and data that will allow for crucial information about the dragon boat team’s performance to be recorded with ease.

|  |  |
| --- | --- |
| The Problem of | <Describe the problem> |
| affects | <Who are the stakeholders affected by the problem> |
| the impact of which is | <what is the impact of the problem> |
| a successful solution would be | <list some key benefits of a successful solution> |

Table 1 Problem Statement

## Product Position Statement

< A product position statement communicates the intent of the application and the importance of the project to all concerned personnel >

|  |  |
| --- | --- |
| For | Dragon Boat Team Members |
| Who | Engage in Dragon Boat activities, events, and training |
| The Dragon Boat Tool Kit Application | Is a multiplatform and multipurpose boating application |
| That | Provides a unique set of tools that will assist for team member placement and offer valuable information about the performance of the dragon boat members |
| Unlike | Many of the applications offer in today’s market, which are often lacking in features or needs required for dragon boat. |
| Our product | Is designed to meet the specific requirements needed for those involved with the dragon boat teams |

Table 2 Product Position Statement

## SWOT Analysis

## <Reference: <https://www.businessballs.com/strategy-innovation/swot-analysis/>)

|  |  |
| --- | --- |
| Strengths | Weaknesses |
| A unique product with little competition | Small Development team |
| More functionality and features than other applications in the marketplace | Little experience in the mobile development field |
| Team members have previous experience with each other involving multiple past projects | IT language for product development still undecided |
| Provides multiple features not fully limited to just Dragon Boat | Time frame dependent on education schedule |
| Supported on Multiple Platforms |  |
| Not Limited By Budget |  |
| High experience in the web development field |  |
| **Opportunities** | **Threats** |
| Valuable training and experience within the mobile development field | Demand in marketplace is dependent on an annual schedule, |
| Possibility of future development in similar fields or style | Potential of Failure due to low experience the field |
|  |  |

# Stakeholder and User Descriptions

< This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed>

## Stakeholder Summary

< There are a number of stakeholders with an interest in the development and not all of them are end users. Describe and list the project stakeholders>

| Stakeholder Name | Represents | Role |
| --- | --- | --- |
| <Name the stakeholder type > | < Briefly describe what the stakeholder represents with respect to the project > | < Briefly describe the role the stakeholder will play throughout the lifecycle of the project.> |
|  |  |  |
|  |  |  |

Table 3 Stakeholder Summary

## User Summary

< Present a summary list of all identified users of the system >

| User Name | Description | Responsibilities | Stakeholder |
| --- | --- | --- | --- |
| Drummer / Crew | Member(s) of the Dragon Boat Team who will be using the application during races | Provides requirements for application |  |
| Team Manager | Individual responsible for coordinating the team members and assigning them into the boat | Provides requirements for application |  |
|  |  |  |  |

Table 4 User Summary

# Stakeholder Requirements

< Categorize and list the requirements from the perspective of the business stakeholder and potential system users >

| ID | Requirement | Stakeholder |
| --- | --- | --- |
| 1 | Method to decide who will be part of a specific Dragon Boat team |  |
| 2 | An efficient way to handle the management of team members who will be in the Dragon Boat, while keeping certain factors in mind |  |
| 3 | A way to provide and track information based on the performance of the dragon boat team |  |

Table 5 Stakeholder Requirements

# System Features

< List and briefly describe the system features. Features are the high-level capabilities of the system that are necessary to deliver benefits to the users. Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not how) they should be implemented >

| ID | Feature | Stakeholder Requirement ID |
| --- | --- | --- |
| 1 | A list of all available Dragon Boat team members that can be selected for specific boat teams with ease | 3 |
| 2 | A drag-and-drop interface that allows for efficient scheduling of team members in the boat while tracking requirements such as weight distribution using algebraic methods | 1 |
| 3 | A map interface that tracks the position of the boat | 4 |
| 3 | Tracking and recording details such as velocity, distance, direction of the boat to evaluate performance | 2 |

Table 6 System Features

# Assumptions

*<List all assumptions made about any of the content provided in this document. Assumptions should be applicable to the scope, desired solution, requirements, business process, and stakeholders >*

# Constraints

*<List any process constraints, external constraints or other dependencies >*