**Purpose**: The purpose of the Deployment Strategy and Plan document is to define a deployment strategy and plan for the software application/system. This document is comprised of two sections (in addition to the project identification information) the Deployment Strategy and the Deployment Plan. The Deployment Strategy section is used to formulate a deployment approach for the software application/system and is completed early in the project. The Deployment Plan section contains detailed schedule, resource, technical, and support information necessary for successful deployment of the software application/system.

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| Project Identification | | |
| **Project Name** | **Project Number** | **Date Created** |
| Group 3 Health Jeopardy Game | 1 | 10/25/20 |
| **Program Manager** | **Project Manager** | |
|  |  | |
| **Completed by** | | |
| Luke McNamara | | |

# Deployment Strategy

The Deployment Strategy section of this document provides an overview of the deployment strategy planned for the software application/system. Included in the deployment strategy is timeline information, a description of the deployment approach, and associated benefits, assumptions and risks.

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|  | **Deployment Overview** | | | |
| **Number of Sites or Release Recipients** | | **Target Deployments** | **Target Group** | **Scheduled Dates** |
| There will be one single site that will be being released and deployed through Firebase | | Initial Deployment | The health department | 11/17 |
| General Availability Release | People attempting to be more aware of being healthier | 11/24 |
| **Deployment Approach** | | | | |
| **Description** | | | | |
| We will be using Google Firebase as our software for deployment. We will be utilizing a one time presentation internal deployment so that we can use it for testing various parts of our application to make sure everything works well together before sending our final version for a one time deployment. | | | | |
| **Benefits (Tangible and Intangible) and Risks** | | | | |
| Firebase is a deployment system run by Google, which means it has all of the helpful tools we may need to be able to run a smooth deployment | | | | |
| **Assumptions and Risks** | | | | |
| **Assumptions** | | | | |
| Firebase has the ability to do authentication handling through Google and will hopefully be able to help us ensure a solid user experience | | | | |
| **Risks** | | | | |
| We have never used this type of deployment before, but we feel like Firebase presents a lot of | | | | |

# Deployment Plan

The Deployment Plan section provides detailed information on the deployment of the software application/system. Included in the Deployment Plan are schedule and resource information, the engagement and promotion strategy, deployment methods, technology infrastructure and support considerations, deployment testing and training requirement, and any known conflicts or issues with the software.

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|  | **Deployment Schedule and Resources** | | |
| **Target Deployment and Sequence** | | **Scheduled Release Dates** | **Resource Requirements** |
| Initial Deployment of Server for Testing | | 11/17 | All members previously specified on the project are expected to be helping with the deployment process. |
| General Release/Presentation | | 11/24 | All team members will be responsible for deployment. |

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| **Engagement and Promotion Strategy** |
| **Description** |
| The promotion strategy will be done and maintained by the department asking for this web application as we are just responsible for building the application and maintaining the technological side of the application. |
| **Technical Migration / Deployment Methods** |
| We will be using a cloud based deployment via Google’s Firebase to deploy our product. |

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| **Technology, Infrastructure, and Support Considerations** | | |
| **Target** | **Technology/Infrastructure Requirements** | **Support Requirements** |
| Google Firebase | We will handle running this initially but eventually pricing will fall on how much the department uses our application | The account using Firebase will have to have some form of recurring payment to maintain the server. |

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| **Testing Methods and Customer Acceptance** |
| System testing will be used to ensure our final product is tested and integrated properly with everything so that our training and other possible issues can be resolved in an orderly manner. |

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| **Training Requirements** | | | |
| **Training Site/Recipients** | **Scheduled Dates** | **Trainer** | **Materials** |
| Firebase Management and Processing | 12/15 | Kobe | A working PC and Zoom |
| Game Functionality | 12/15 | Luke | A working PC, and an Internet Connection |

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| **Possible Issues and Conflicts** | |
| **Issue or Conflict** | **Resolution Plan** |
| Google Firebase is something we are not entirely familiar with at first | We are currently undergoing extensive training to use Google Firebase and all of its tools that will be available for us during deployment |
| We do not know currently how what we are using will play together on Google Firebase | The due diligence we have done thus far tells us that we should be able to deploy a fully functioning web application through Google Firebase |

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| **Reference Documents** |
| **Identification** |
| Software Project Management Plan |
| System Requirements Documentation |