*service9*

project charter

Version *0.0.4*

*02/04/2020*

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Implemented**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 0.0.1 | *Erik Nelson* | *01/31/2020* | *N/A* | *01/31/2020* | *Alpha version created. No previous version existed* |
| 0.0.2 | *Raymond Wu* | *02/02/2020* | *Erik Nelson* | *02/02/2020* | *Added objectives and high-level requirements* |
| 0.0.3 | *Erik Nelson* | *02/02/2020* | *N/A* | *02/02/2020* | *Added duration, and project organization.* |
| 0.0.4 | *Cesar Ramirez* | *02/04/2020* | *Erik Nelson* | *02/04/2020* | *Added project and product overview,* |

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# Introduction

## Purpose of Project Charter

The *service9* project charter documents and tracks the necessary information required by decision maker(s) to approve the project for funding. The project charter should include the needs, scope, justification, and resource commitment as well as the project’s sponsor(s) decision to proceed or not to proceed with the project. It is created during the Initiating Phase of the project.

The intended audience of the *service9* project charter is the project sponsor and senior leadership.

# project And Product Overview

Service9 is a project consisting of five engineers, Cesar Ramirez, Raymond Wu, Erik Nelson, Trystan Kaes, and Dylan Dieck. Together they will work to develop an anti-spam bot that will protect against a variety of spam encountered on a channel. This ranges from unwanted language to simply excessive and abusive usage of a channel. The project is currently being developed at the University of Colorado Denver where it will take approximately 3 months to develop and test. The project budget is $120k.

# Justification

## Business Need

[Example: A data collection system is necessary to conduct a national program of surveillance and research to monitor and characterize the x epidemic, including its determinants and the epidemiologic dynamics such as prevalence, incidence, and antiretroviral resistance, and to guide public health action at the federal, state and local levels. Data collection activities will assist with monitoring the incidence and prevalence of x infection, and x-related morbidity and mortality in the population, estimate incidence of x infection, identify changes in trends of x transmission, and identify populations at risk.)]

## Public Health and Business Impact

[Example: System x collects information about x infection as the jurisdictional, regional, and national levels and will assist in monitoring trends in x transmission rates, incidence rates and x morbidity and mortality trends to help determine public health impact.]

## Strategic Alignment

| **Goal** | **Project Response Rank** | **Comments** |
| --- | --- | --- |
| *Scale*: **H** – High, **M**- Medium, **L** – Low, **N/A** – Not Applicable | | |
| **NC / Division / Branch Strategic Goals:** | | |
| combo |  |  |
|  |  |  |
| **CDC Strategic Goals:** | | |
| *<Reference Appendix C for goals>* |  |  |
|  |  |  |
| **Department of Health and Human Services (DHHS) Strategic Goals:** | | |
| *<Reference Appendix C for goals>* |  |  |
|  |  |  |
| **DHHS IT Goals:** | | |
| *<Reference Appendix C for goals>* |  |  |
|  |  |  |
| **President’s Management Agenda (PMA) Strategic Goals:** | | |
| *<Reference Appendix C for goals>* |  |  |
|  |  |  |

# Scope

## Objectives

Create a bot to automatically moderate an IRC channel by removing spam and banning users who spam.

The objectives of the *SERVICE9* are as follows:

* *Ban users who post the same message, which is over 20 characters long, at least thrice in the past hour.*
* *Add words to a list of banned words*
* *Kick users who use said banned words.*
* *Kick users who post over 5 messages in a minute*

## High-Level Requirements

The following table presents the requirements that the project’s product, service or result must meet in order for the project objectives to be satisfied.

| Req. # | I Requirement Description |
| --- | --- |
| 1 | Must be able to read IRC messages, who sent them, and when it was sent |
| 2 | I RC operators must be able to add and remove bannable/kickable text to/from a list |
| 3 | Service9 must search through chat and kick/ban any offenders |
| 4 | The bot must be able to kick people who post more than a modifiable amount of \_messages per unit of time |

## Major Deliverables

The following table presents the major deliverables that the project’s product, service or result must meet in order for the project objectives to be satisfied.

| Major Deliverable | I Deliverable Description |
| --- | --- |
|  |  |
|  |  |

## Boundaries

[Describe the inclusive and exclusive boundaries of the project. Specifically address items that are out of scope.]

# Duration

## Timeline

[An example of a high-level timeline is provided below.]

02/20

03/20

04/20

05/20

System Development

Completed

Developed Prototype

Requirements Analysis

Completed

Project Plan Completed

## Executive Milestones

[Example: For CPIC major/tactical projects, these milestones could be used to complete the Funding Plan/Cost and Schedule section of the OMB Exhibit 300.]

The table below lists the high-level Executive Milestones of the project and their estimated completion timeframe.

| **Executive Milestones** | **Estimated Completion Timeframe** |
| --- | --- |
| Project planned and authorized to proceed | Two weeks after project approval |
| Initial chatbot prototype completed | Two weeks after project is planned and authorized, ideally within February 2020. |
| Minimum viable product produced | Three weeks after project is planned and authorized, ideally within February 2020. |

# budget Estimate

## Funding Source

[Example: grant, terrorism budget, or operational budget.]

## Estimate

This section provides a summary of estimated spending to meet the objectives of the *SERICE9* project as described in this project charter. This summary of spending is preliminary, and should reflect costs for the entire investment lifecycle. It is intended to present probable funding requirements and to assist in obtaining budgeting support.  
*[For CPIC major/tactical projects complete and attach the required sections of the* [*OMB Exhibit 300*](http://intranet.cdc.gov/cpic/) *located at* [*http://intranet.cdc.gov/cpic/*](http://intranet.cdc.gov/cpic/)*. For all other projects, provide a summary of the project’s expected spending* *below.]*



# High-Level Alternatives Analysis

[Example: Alternatives to developing a custom system may have included looking at existing COTS products or reusing an existing system.]

1. [Provide a statement summarizing the factors considered.]
2. [Provide a statement summarizing the factors considered.]

# Assumptions, Constraints And Risks

## Assumptions

[Example: The system is being developed to capture data from public health partners. One assumption is that data is entered electronically into the system.]

This section identifies the statements believed to be true and from which a conclusion was drawn to define this project charter.

1. [Insert description of the first assumption.]
2. *[Insert description of the second assumption.]*

## Constraints

[Example: There might be time constraints on developing a system that is used to track data of highly infectious diseases like SARS.]

This section identifies any limitation that must be taken into consideration prior to the initiation of the project.

1. *[Insert description of the first constraint.]*
2. *[Insert description of the second constraint.]*

## Risks

[Example: The risk of accessibility or unavailability of public health partners for obtaining requirements to develop a data collection system may delay project deliverables. A possible mitigation strategy might be to schedule requirement sessions with the partners as early as possible. List the risks that the project sponsor should be aware of before making a decision on funding the project, including risks of not funding the project.]

| **Risk** | **Mitigation** |
| --- | --- |
|  |  |
|  |  |

# Project Organization

## Roles and Responsibilities

[Depending on your project organization, you may modify the roles and responsibilities listed in the table below.]

This section describes the key roles supporting the project.

| **Name & Organization** | **Project Role** | **Project Responsibilities** |
| --- | --- | --- |
| Trystan Kaes  <Org> | Project Sponsor | Person responsible for acting as the project’s champion and providing direction and support to the team. In the context of this document, this person approves the request for funding, approves the project scope represented in this document, and sets the priority of the project relative to other projects in his/her area of responsibility. |
| Cesar Ramirez  <Org> | Government Monitor | Government employee who provides the interface between the project team and the project sponsor. Additionally, they will serve as the single focal point of contact for the Project Manager to manage CDC’s day-to-day interests. This person must have adequate business and project knowledge in order to make informed decisions.  In the case where a contract is involved, the role of a Government Monitor will often be fulfilled by a Contracting Officer and a Project Officer. |
| Dylan Dieck  <Org> | Contracting Officer | Person who has the authority to enter into, terminate, or change a contractual agreement on behalf of the Government. This person bears the legal responsibility for the contract. |
| Raymond Wu  <Org> | Project Officer | A program representative responsible for coordinating with acquisition officials on projects for which contract support is contemplated. This representative is responsible for technical monitoring and evaluation of the contractor's performance after award. |
| Erik Nelson  <Org> | Project Manager (This could include a Contractor Project Manager or an FTE Project Manager) | Person who performs the day-to-day management of the project and has specific accountability for managing the project within the approved constraints of scope, quality, time and cost, to deliver the specified requirements, deliverables and customer satisfaction. |
| <Name>  <Org> | Business Steward | Person in management, often the Branch Chief or Division Director, who is responsible for the project in its entirety. |
| <Name>  <Org> | Technical Steward | Person who is responsible for the technical day-to-day aspects of the system including the details of system development. The Technical Steward is responsible for providing technical direction to the project. |
| <Name>  <Org> | Security Steward | Person who is responsible for playing the lead role for maintaining the project’s information security. |

## Stakeholders (Internal and External)

[Examples of stakeholders include an epidemiologist performing a behavioral research project and people in the field collecting data using a software application (the proposed project) to collect the data required for a behavioral research project.]  
  
Chatroom end users: these should not know the management software exists

Chatroom moderators: These stakeholders should enjoy a decreased workload

Chatroom owners: these stakeholders should enjoy an improved reputation

# project Charter approval

The undersigned acknowledge they have reviewed the project charter and authorize and fund the *<Project Name>* project. Changes to this project charter will be coordinated with and approved by the undersigned or their designated representatives.

[List the individuals whose signatures are desired. Examples of such individuals are Business Steward, Project Manager or Project Sponsor. Add additional lines for signature as necessary. Although signatures are desired, they are not always required to move forward with the practices outlined within this document.]

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: |  | Date: |  |
| Print Name: |  |  |  |
| Title: |  |  |  |
| Role: |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: |  | Date: |  |
| Print Name: |  |  |  |
| Title: |  |  |  |
| Role: |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: |  | Date: |  |
| Print Name: |  |  |  |
| Title: |  |  |  |
| Role: |  |  |  |

APPENDIX A: REFERENCES

[Insert the name, version number, description, and physical location of any documents referenced in this document. Add rows to the table as necessary.]

The following table summarizes the documents referenced in this document.

|  |  |  |
| --- | --- | --- |
| **Document Name and Version** | **Description** | **Location** |
| *<Document Name and Version Number>* | *[Provide description of the document]* | *<URL or Network path where document is located>* |

APPENDIX B: KEY TERMS

*[Insert terms and definitions used in this document. Add rows to the table as necessary. Follow the link below to for definitions of project management terms and acronyms used in this and other documents.*

*http://www2.cdc.gov/cdcup/library/other/help.htm*

The following table provides definitions for terms relevant to this document.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |

APPENDIX C: GOALS

* **CDC Strategic Goals**  
  **URL**: [**http://www.cdc.gov/about/goals/**](http://www.cdc.gov/about/goals/)
  + **Goal 1** - Healthy People in Every Stage of Life
  + **Goal 2** - Healthy People in Healthy Places
  + **Goal 3** - People Prepared for Emerging Health Threats
  + **Goal 4** - Healthy People in a Healthy World
* **Department of Health and Human Services (DHHS) Strategic Goals**  
  **URL**: [**http://aspe.hhs.gov/hhsplan/2004/goals.shtml**](http://aspe.hhs.gov/hhsplan/2004/goals.shtml) (Search for “HHS IT Strategic Plan”)
  + **Goal 1** - Reduce the major threats to the health and well-being of Americans
  + **Goal 2** - Enhance the ability of the Nation’s health care system to effectively respond to bioterrorism and other public health challenges
  + **Goal 3** - Increase the percentage of the Nation’s children and adults who have access to health care services, and expand consumer choices
  + **Goal 4** - Enhance the capacity and productivity of the Nation’s health science research enterprise
  + **Goal 5** - Improve the quality of health care services
  + **Goal 6** - Improve the economic and social well-being of individuals, families, and communities, especially those most in need
  + **Goal 7** - Improve the stability and healthy development of our Nation’s children and youth
  + **Goal 8** - Achieve excellence in management practices
* **Department of Health and Human Services (DHHS) IT Goals**  
  **URL**: [**http://aspe.hhs.gov/hhsplan/2004/goals.shtml**](http://aspe.hhs.gov/hhsplan/2004/goals.shtml)
* **Goal 1** - Provide a secure and trusted IT environment
* **Goal 2** - Enhance the quality, availability, and delivery of HHS information and services to citizens, employees, businesses, and governments
* **Goal 3** - Implement an enterprise approach to IT infrastructure and common administrative systems that will foster innovation and collaboration
* **Goal 4** - Enable and improve the integration of health and human services information
* **Goal 5** - Achieve excellence in IT management practices, including a governance process that complements program management, supports e-government initiatives, and ensures effective data privacy and information security controls
* **President’s Management Agenda (PMA) Strategic Goals**  
  **URL**: [**http://www.whitehouse.gov/omb/budintegration/pma\_index.html**](http://www.whitehouse.gov/omb/budintegration/pma_index.html)

**Government-wide Initiatives**

* + **Goal 1** -Strategic Management of Human Capital
  + **Goal 2** -Competitive Sourcing
  + **Goal 3** - Improved Financial Performance
  + **Goal 4** - Expanded Electronic Government
  + **Goal 5** - Budget and Performance Integration

**Program Initiatives**

* + **Goal 1** - Faith-Based and Community Initiative
  + **Goal 2** - Privatization of Military Housing
  + **Goal 3** - Better Research and Development Investment Criteria
  + **Goal 4** - Elimination of Fraud and Error in Student Aid Programs and Deficiencies in Financial Management
  + **Goal 5** - Housing and Urban Development Management and Performance
  + **Goal 6** - Broadened Health Insurance Coverage through State Initiatives
  + **Goal 7** - A “Right-Sized” Overseas Presence
  + **Goal 8** - Reform of Food Aid Programs
  + **Goal 9** - Coordination of Veterans Affairs and Defense Programs and Systems