*service9*

project charter

LITE Version *0.1.0*

*02/07/2020*

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,* |
| 0.0.5 | *Erik Nelson* | *02/05/2020* | *N/A* | *02/06/2020* | *Converted to lite template from full.* |
| 0.0.6 | *Dylan Dieck* | *02/06/2020* | *Erik Nelson* | *02/06/2020* | *Added deliverables and budget estimate* |
| 0.0.7 | *Erik Nelson* | *02/07/2020* | *N/A* | *02/07/2020* | *Formatting and tweaks* |
| 0.1.0 | *Erik Nelson* | *02/07/2020* | *Trystan Kaes* | *02/07/2020* | *Approved for beta release* |

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# introduction

## Purpose of LITE Project Charter

The *service9* LITE Project Charter documents and tracks the necessary information required by decision maker(s) to approve the project for funding.

The intended audience of the *service9* LITE 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.

# 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 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/Milestones

| Major Deliverable | I Deliverable Description |
| --- | --- |
| Requirements Analysis | A comprehensive list and analysis of all reqirements for  the bot |
| Functioning Prototype | A fully functioning prototype for the bot that meets all  requirements and works in a controlled environment |
| Working implementation | An implementation onto the chat server that meets all  previous standards |

# Duration

## Timeline

02/20

03/20

04/20

05/20

System Development

Completed

Developed Prototype

Requirements Analysis

Completed

Project Plan Completed

# budget Estimate

## Funding Source

Funding will be sourced from the University of Colorado Denver School of Engineering under operations manager Doug Williams.

## Estimate

The budget for this project is estimated to be at $120k dollars accounting for all 5 engineers working on the project. There is an estimated three month timeline for Service9, and each engineer will be compensated with an $8,000 monthly salary, coming to 40,000 a month, and landing at $120k for the entire duration of the project.

# project Charter approval

The undersigned acknowledge they have reviewed the **LITE Project Charter** and authorize and fund the *service9* project. Changes to this **LITE Project Charter** will be coordinated with and approved by the undersigned or their designated representatives.

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