James Rumsey Software Proposal



Presented by: Your name

Project Name: JRTI Voice Assistant

Date: 04-13-2021

JRTI Software Development

# James Rumsey Coding – JRTI VOICE ASSISTANT

## Description of Project

*We are quite familiar with the voice assistant “Siri” created by apple. Well this voice assistant is similar in what they are but what it does is completely different. The voice assistant I want to make will help with new comers who need help navigating through the JRTI webpage. Some examples on what that means is, when the user says “James Rumsey” the voice assistant would open a web browser for the James Rumsey Home page. Not only do I want to assist the user on navigating through the James Rumsey website, But through the building as well. I would like it to give the user descriptions on each program. As well as to tell that user where he/she could find it. For example, the user says “Where can I find the main office” starting from the main entrance the assistant would say something along the lines of “The main office is on Your left” and so on.*

## Minimum Requirements

All the minimum requirements referenced below will be met by the project.

* This proposal must be approved before any work starts.
* Project will be a minimum of 20 hours of work; if it’s a project you’ve already started, you may use it but explain your plan and estimated hours to update it.
* Hours of work will be recorded on the provided worksheet.
* A post project questionnaire will be answered.
* The code base, images etc will be kept up to date in a github repository shared with me.
* You will create a design document that must be approved before you may start coding.
* Document History
* It must be completed by May 7th
* If you finish early, I may ask you to enhance it.

## Detailed Questions

* I plan on using python for this.
* As of right now I don’t think I’ll need a database
* Considering I made code like this in the past I think I may only need 10hrs at most
* I plan on using SpeechRecognition and pyttsx

## Make your case

* *Not only do I think this is a fun idea. But I think It could potentially be a great benefit for JRTI.*
* *My goal is to create something unique-and user friendly.*
* *I’ll be using simple but reliable methods to make this software. I made some small copy cats in the past so I’m familiar with what codes and methods I need to use.*
* *I believe this can benefit the coding class because right off the bat it shows new comers what the coding class could create and what they could if they were to join coding*

## Grading

* 10 Points Proposal
* 10 Points Design Document
* 5 Points Github
* 10 Points Interim Review
* 50 Points Project Grade
* 10 Points Program Documentation
* 5 Points Post Project Questionnaire

## Document History

| Status | Date recorded | Issue / Question | Severity | Impact | Resolution |
| --- | --- | --- | --- | --- | --- |
| Open/Closed | Date 1 | Issue / Question | Critical, Moderate | Schedule/Hours | Resolution |
|  | Date 2 | Description | Probability | Impact | Plan |
|  | Date 3 | Description | Probability | Impact | Plan |