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**Serena, a Virtual Assistant**

**Course**

CSE299

Junior Design Project

Section: 08

Summer, 19

**Faculty Name**

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**Git Repository Link**

<https://github.com/smaheen711/SU19CSE299S08G02NSU>

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**Objectives:**

At present time, we all use many web-applications and windows applications. Sometimes using this apps become so boring. But we can’t think of our basic life without using it. For instance, sending mail has become a very important part of our life and yet, it’s so boring to type and add selected files to it. Or putting our login credentials to different web apps. The part that we almost never talk about is losing our login credentials to hackers. It is very easy for the hackers to put a simple keylogger into any files and get all our important information; information like credit card number, pin codes, email and passwords. Think about our web browser. We usually saved our password into it. It may be the easiest way for the hackers to get our full information. As a close victim to this attack, I feel the need to create a software which will do this all the boring yet needed work for us; Serena, a virtual assistant who will cover all the problem above and more.

**Features:**

* Generate password and automate login for web apps to be secured from hacking.
* Voice messages to mail.
* YouTube Video Downloader.
  + Option to download video while playing video in web app. (like IDM)
  + Give the downloaded video a key to categorize.
  + Create playlist of downloaded video and run it.
* Search any file in windows explorer and send it via mail.
* Open any website using voice commands.
* Create audiobooks.
* Summarize any writings.

**Tools and Technology:**

* Python 3
* Framework: Selenium, pywinauto
* GUI: Tkinter
* Packages: Beautiful Soup, OpenCV.

**Business Plan/Monetization:**

**Pricing and packaging**

This project will bring the demo version of a bigger project. As this is a demo software, this is free to use. When the full version of the software will be released, there will be a trial version which can be used only for 2 days. After that the user will be charged with a monthly fee to use software. Though this project version of the product is for windows user only, the final product will be a cross-platform app.

**Payment Partner**

The main payment method will be PayPal. But for android and IOS users (final version), the user can also pay through google gift card.

**Market Deployment**

The demo version of the app will be released on Windows Store. The final version will be released on different Store on different platforms.