**Bibid Personal Assistant**

***Software Design Document***

**Version 1.0**

**Introduction**

Bibid is a personal assistant software designed to help users manage their daily tasks, appointments, and reminders. The software will be built in Python and will use a simple command-line interface.

**Scope**

The scope of the Bibid personal assistant software includes the following features:

* Task Management: Users can create and manage tasks, including setting deadlines, reminders, and priorities.
* Appointment Scheduling: Users can schedule appointments and receive reminders.
* Bill Reminders: Users can set up bill reminders to ensure that they never miss a payment deadline.
* Weather Forecast: Users can get current weather conditions and forecast information for their location.
* Personalized Responses: The software will provide personalized responses based on user input.

**Requirements**

The requirements for the Bibid personal assistant software are as follows:

**Functional Requirements**

* Users should be able to create and manage tasks with deadlines and priorities.
* Users should be able to schedule appointments and receive reminders.
* Users should be able to set up bill reminders.
* Users should be able to get current weather conditions and forecast information for their location.
* The software should provide personalized responses based on user input.

**Non-Functional Requirements**

* The software should be easy to use and have a simple command-line interface.
* The software should be stable and reliable.
* The software should be able to handle a large number of users.
* The software should be secure and protect user data.

**Design**

The Bibid personal assistant software will be designed using object-oriented programming principles in Python. The software will use third-party libraries for voice recognition, weather forecast, and natural language processing. The software will be divided into several modules, including the user interface, task management, appointment scheduling, bill reminders, and weather forecast.

**Testing**

The Bibid personal assistant software will be tested using a combination of manual and automated testing. Unit tests will be used to test each module, and integration tests will be used to test the entire system. User acceptance testing will also be conducted to ensure that the software meets user requirements.

**Conclusion**

The Bibid personal assistant software is designed to help users manage their daily tasks, appointments, and reminders. With a simple command-line interface and personalized responses, the software aims to provide an easy-to-use and reliable personal assistant solution.