**Appendix**

Appendix A

![A close up of text on a black background

Description generated with high confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RD+RXhpZgAATU0AKgAAAAgABAE7AAIAAAARAAAISodpAAQAAAABAAAIXJydAAEAAAAiAAAQ1OocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFN0ZXBoYW5pZSBBbXVyYW8AAAAFkAMAAgAAABQAABCqkAQAAgAAABQAABC+kpEAAgAAAAM1OAAAkpIAAgAAAAM1OAAA6hwABwAACAwAAAieAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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64IyAeKsjUbI6gbEXlubxV3m381fMC+u3Oce9cG3hTVbO5nlOkWOsJdfb4hDcTBVhE128yscg5VlZQwXkFBgHtTk+Hupz+NDdXQluLZNTk1BJjdxRxYZCAu0RGUnnYQXxtAIPRQAekWeoWWoxu+n3cF0kblHaCVXCsOoODwfaoF1qyaS+Xzdq2C7riRhhV+9nn22nJ6fkccr8P/AA7q2g3l8dQs4LazaCGKAO0clyCm7KGSNF3xKCAm7L8tmtXU9NfUF1lAzxrewRLE/wBnLYdN3UFeRnH4dCOwBYbxVbLp8s/2K++0JMYI7Fogs877S6hFYgHcg3ZyMAHdtKsBYbxHpo06yvUnMkN9OlvBtU7mdm242nkEHO4HkbTnpWLd2l7fC6nurGQpLcAvYozhpo0jKj5wFCnfhhnsBkjolWTw/qstlZFb6KKW3aJY4FsXaOKNbhJAAzc5Comcbd2zovGwA7iimQ5ECbnZztGWZcFvcjtT6ACvO/sOsXnxb8THRdZTTNmn6f5m+zWfzObjHVhjGD9c16JXIaN/yVrxb/2DtN/nc0AU/h38QrDxB4G0a81zW9MXV7yP97CLiNG3liAAmcg9OK7uvE/DOn2Q/Zv8OXQtIBcedYnzvKXfn7fGPvYzXtlABRRRQAUUUUAFFFFABRRRQAUUUUAFc58Pf+Sa+HP+wbB/6LFdHXOfD3/kmvhz/sGwf+ixQB0dFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc9q//I7+HP8Aduv/AEBa6Gue1f8A5Hfw5/u3X/oC0AdDRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVieKtDu9c061TTbyG0urS8iu4pJ4DLGWjOcMoZTg+xFbdFAHn51XxvH4sm0SbWfDMRisY7sTPpc4Db3dNuPtPby85z3q/5njL/oZvCn/grm/wDkqt7VPDOha3Ok2taJp2oyxrsSS7tElZVznALA4Ga870jwYujWk1lc/C3SdTK3ly6XR+yfPG87vGMMMjCMq4PTGKAOm8zxl/0M3hT/AMFc3/yVR5njL/oZvCn/AIK5v/kqsb+wLb/ojmkfnZf4Uf2Bbf8ARHNI/Oy/woA2fM8Zf9DN4U/8Fc3/AMlUeZ4y/wChm8Kf+Cub/wCSqxv7Atv+iOaR+dl/hR/YFt/0RzSPzsv8KANnzPGX/QzeFP8AwVzf/JVHmeMv+hm8Kf8Agrm/+Sqxv7Atv+iOaR+dl/hR/YFt/wBEc0j87L/CgDZ8zxl/0M3hT/wVzf8AyVR5njL/AKGbwp/4K5v/AJKrG/sC2/6I5pH52X+FH9gW3/RHNI/Oy/woA2fM8Zf9DN4U/wDBXN/8lUeZ4y/6Gbwp/wCCub/5KrG/sC2/6I5pH52X+FH9gW3/AERzSPzsv8KANnzPGX/QzeFP/BXN/wDJVHmeMv8AoZvCn/grm/8Akqsb+wLb/ojmkfnZf4Uf2Bbf9Ec0j87L/CgDZ8zxl/0M3hT/AMFc3/yVT/Dum3On+INX1nXdc0y8udRht4QtnAYEjWHzMcNI5JPmnv2rD/sC2/6I5pH52X+FH9gW3/RHNI/Oy/woAxvDX/Jsnhz/AK7WP/pfHXsdee6pb+INU0G30Kx8FppNot3auGW9gEcCR3EcjYRPZDwBXoVABRRRQAUUUUAFFFFABRRRQAUUUUAFc58Pf+Sa+HP+wbB/6LFdHXOfD3/kmvhz/sGwf+ixQB0dFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc9q//I7+HP8Aduv/AEBa6Gud8RQ6imuaPqWnabJqC2nnrLFFLGjDeoAPzsAeR60AdFRXP/2/rf8A0J+of+Bdr/8AHaP7f1v/AKE/UP8AwLtf/jtAHQUVz/8Ab+t/9CfqH/gXa/8Ax2j+39b/AOhP1D/wLtf/AI7QB0FFc/8A2/rf/Qn6h/4F2v8A8do/t/W/+hP1D/wLtf8A47QB0FFc/wD2/rf/AEJ+of8AgXa//HaP7f1v/oT9Q/8AAu1/+O0AdBRXP/2/rf8A0J+of+Bdr/8AHaP7f1v/AKE/UP8AwLtf/jtAHQUVz/8Ab+t/9CfqH/gXa/8Ax2j+39b/AOhP1D/wLtf/AI7QB0FFc/8A2/rf/Qn6h/4F2v8A8do/t/W/+hP1D/wLtf8A47QB0FFc/wD2/rf/AEJ+of8AgXa//HaP7f1v/oT9Q/8AAu1/+O0AdBRXP/2/rf8A0J+of+Bdr/8AHaP7f1v/AKE/UP8AwLtf/jtAHQUVz/8Ab+t/9CfqH/gXa/8Ax2j+39b/AOhP1D/wLtf/AI7QB0FFc/8A2/rf/Qn6h/4F2v8A8do/t/W/+hP1D/wLtf8A47QB0FFc/wD2/rf/AEJ+of8AgXa//HaP7f1v/oT9Q/8AAu1/+O0AdBRXP/2/rf8A0J+of+Bdr/8AHaP7f1v/AKE/UP8AwLtf/jtAHQUVz/8Ab+t/9CfqH/gXa/8Ax2j+39b/AOhP1D/wLtf/AI7QB0FFc/8A2/rf/Qn6h/4F2v8A8do/t/W/+hP1D/wLtf8A47QB0FFc/wD2/rf/AEJ+of8AgXa//HaP7f1v/oT9Q/8AAu1/+O0AdBRXP/2/rf8A0J+of+Bdr/8AHaP7f1v/AKE/UP8AwLtf/jtAHQUVz/8Ab+t/9CfqH/gXa/8Ax2j+39b/AOhP1D/wLtf/AI7QB0FFc/8A2/rf/Qn6h/4F2v8A8do/t/W/+hP1D/wLtf8A47QB0FFc/wD2/rf/AEJ+of8AgXa//HaP7f1v/oT9Q/8AAu1/+O0AdBRXP/2/rf8A0J+of+Bdr/8AHaP7f1v/AKE/UP8AwLtf/jtAHQUVz/8Ab+t/9CfqH/gXa/8Ax2j+39b/AOhP1D/wLtf/AI7QB0Fc58Pf+Sa+HP8AsGwf+ixT/wC39b/6E/UP/Au1/wDjtT+DtPudJ8E6Lp1+gjubWxhhmQMG2sqAEZHB5FAGzRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAH//Z)

Siri provides a variety of services some of which are illustrated in Figure. Many of the services rely on third party sources such as Yelp, Bing, Wolfram Alpha, Wikipedia, Rotten Tomatoes and others. This information is combined with personal profile information drawn from a user’s contacts, calendar, music library, email etc., The final ingredients are temporal, spatial, location and other sensor derived data. All of this is combined with automatic speech recognition (ASR) and text to speech (TTS) technology allowing the user to interact with the system in a natural, conversational manner.

Appendix B

Here is an illustration of the projected platform that will be developed:

**API & Services**

**SKILLS**

**SPEECH**

**RECOGNITION**

**LANGUAGE UNDERSTANDING**

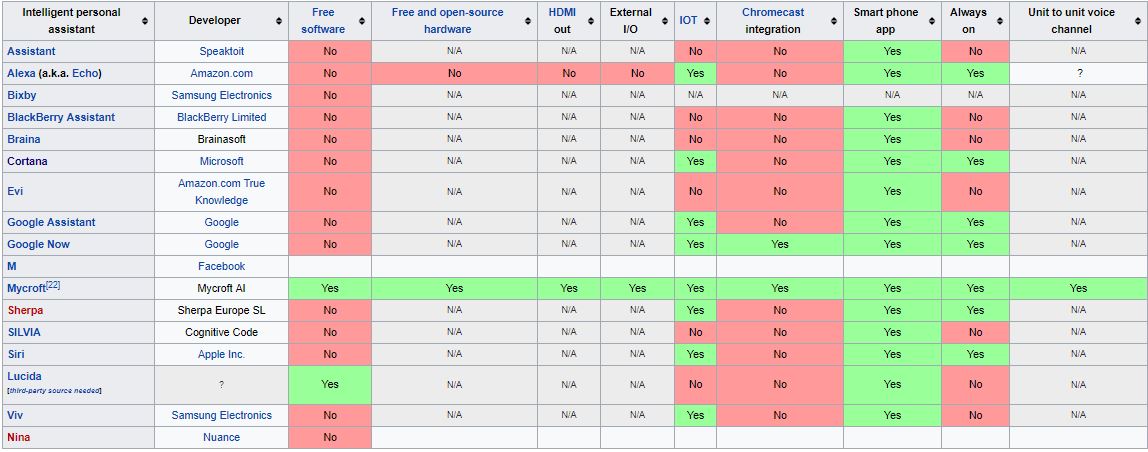
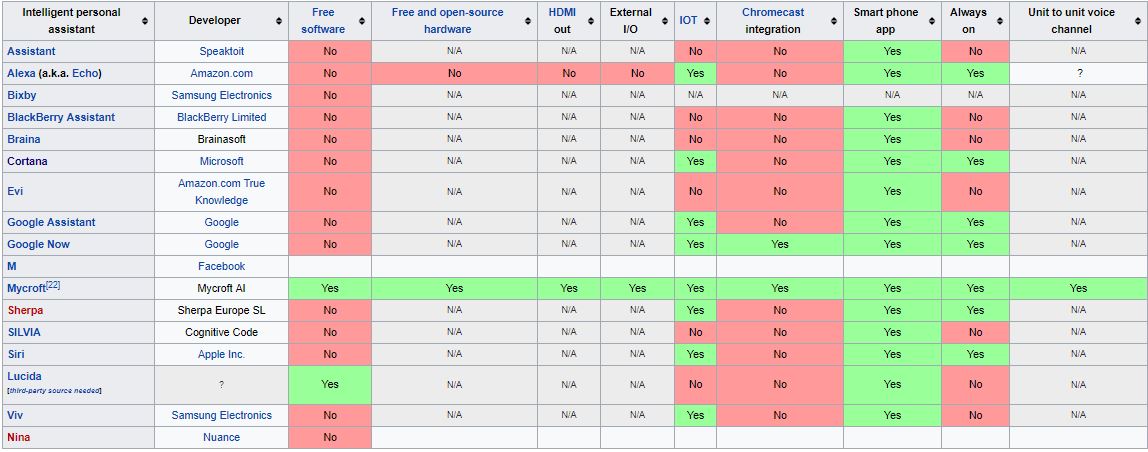
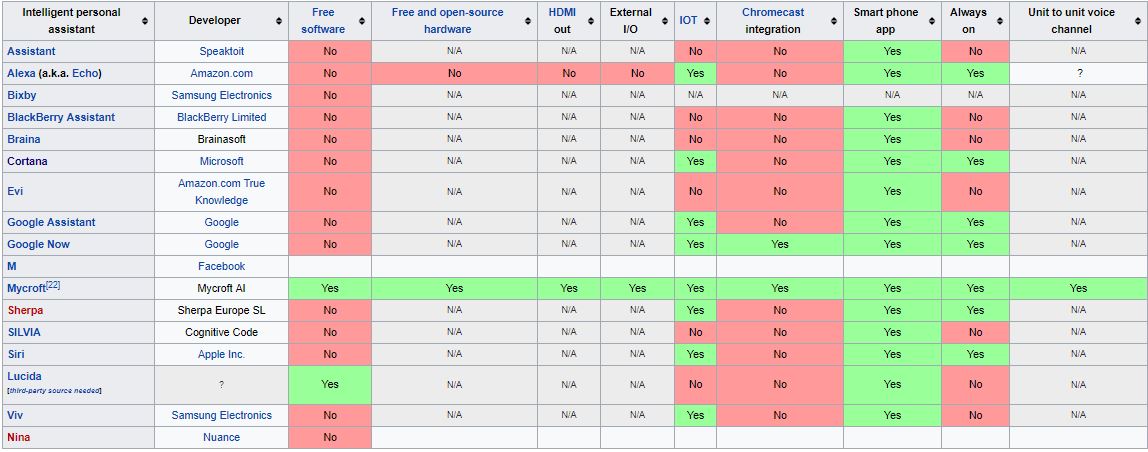
**SPEECH**

**SYNTHESIS**

**MESSAGE BUS**

Projected Core Platform Architecture

Appendix C

 **Comparison Table of Intelligent Personal Assistant**

A table from Wikipedia that compares the available Intelligent Personal Assistants as of today.

Appendix D

**Comparison Table of Artificial Intelligent Platform**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Development Platforms** |  | **License** | **Use** | **Languages** | **Developer** | **More Information** |
| SILVIA | A flexible, lightweight system for conversational intelligence. It can learn, understand and interacts in an indiscernibly human way, to solve problems and deliver operational efficiencies like never possible before | Proprietary commercial software  (initially released on January 1, 2008) | Being used in call center, smart phones(Iphone and androids),voice search or other voice-related applications, | English | Cognitive Code Inc. | <http://silvia4u.info/silvia/> |
| Telemedicine Platform  (e visit) | Give physicians an organized, secure system for practicing medicine remotely, tracking patient health data, sharing medical records with consulting physicians, documenting all remote patient visits, charging patients and getting reimbursed from third party payers, and so much more. | $99.00/month  (founded : 2013) | Health | English | eVisit | <https://evisit.com/telemedicine-platform/> |
| Teneo | A development and analytics platform from Artificial Solutions, Teneo using NLI to allow people to interact with any connected device using everyday conversational speech, text, touch or gesture. The Teneo Platform learns and understands; and then applies this knowledge to real user interactions such as resolving queries, answering questions, recommending products or providing links to information and external resources. | Founded : June 2010  (not for commercial) | banks and fintech, telecoms, travel, leisure, retail, utilities and manufacturing, (can operate across any device, OS or channel­) | Works in 35 languages | Artificial Solutions | <http://www.artificial-solutions.com/teneo/> |
| API.AI (formerly Speaktoit | A platform designed to enable software developers and companies to collaborate in making voice-activated interfaces, Api.AI integrates AI technology to deliver services in the context of consumer-facing tools. | Free  <https://api.ai/pricing>  (founded on 2010)  Acquired by Google in 2016 | Android , windows smartphones ,Conversational Platform for bots, applications, services, and devices. | Brazilian Portuguese, Chinese (Cantonese), Chinese (Simplified), Chinese (Traditional), English, Dutch, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Ukrainian. | Speaktoit LLC | <https://api.ai/> |
| Indigo | a cloud-based, cross-platform personal assistant for Android and Windows Phone 8 (hands-on) | Not yet released | voice commands, help day to day issues such as finding out what the weather is, finding addresses, check email and appointments, update Facebook and send Tweets | English | Artificial solutions | [www.hello-indigo.com](http://www.hello-indigo.com). |
| Viv | an artificial intelligence platform that enables developers to distribute their products through an intelligent, conversational interface. It’s the simplest way for the world to interact with devices, services and things everywhere. Viv is taught by the world, knows more than it is taught, and learns every day. | Not yet released (open to all services, for all devices, personalized for customers) | has been billed as a more extensible, powerful version of Siri, the approach is offering the ability to connect with third-party merchants and vendors so that it can execute on requests to purchase goods or book reservations. Viv allows third-party | English | Six Five Labs , Inc | <http://viv.ai/> |

Appendix E

**Message Types for the Message Bus**

| **Message Type** | **Sent from** | **Purpose** | **Contents** | **Example Metadata** |
| --- | --- | --- | --- | --- |
| detach\_intent | The detach function of InteloraSkill | Detaches the intent specified | The name of the intent to be detached | {'intent\_name': 'HelloWorldIntent'} |
| any intent | The intent skill after determining the intent of an utterance. | Calls the handler for that intent. Note that the metadata needed depends on the skill. | The name of the intent and the needed metadata | {"HelloWorldKeyword": "hello world", "intent\_type": "HelloWorldIntent", "utterance": "hello world", "confidence": 1.0, "target": null} |
| intent\_failure | The intent skill after failing to determine the intent of an utterance | Sends the utterance to the Wolfram Alpha skill | The utterance | {"utterance": 'hello world'} |
| message | The messagebus client after receiving a message | Logs the json dumps of the message in the terminal | A Message object | A Message object |
| intelorat.media.stop | Any skill that inherits from the media base class | Stop anything playing on a media skill | The skill where the message originated | {'origin': 'MediaSkill'} |
| intelora.paired | The pairing skill | Used to give updates on pairing process | Whether the device is paired or not | {'paired': True} |
| intelora.stop | The stop skill | Calls the stopfunction of any skill currently running. | N/A | N/A |
| recognizer\_loop:audio\_output\_start | The speech service | Show when Intelora starts talking | N/A | N/A |
| recognizer\_loop:audio\_output\_end | The speech service | Show when Intelora stops talking | N/A | N/A |
| recognizer\_loop:record\_begin | The listener after the wake word is detected | Show when Intelora starts recording | N/A | N/A |
| recognizer\_loop:record\_end | The listener after finishing recording | Show when Intelora stops recording | N/A | N/A |
| recognizer\_loop:sleep | The sleep skill | Causes the listener to not send audio until Hey Intelora, wake up is heard | N/A | N/A |
| recognizer\_loop:utterance | The listener, once the STT has transcribed the audio | The intent skill parses it to determine intent | The words transcribed by the STT service | {'utterances': 'Hello world','session': 'some\_unique\_id'} |
| recognizer\_loop:wakeword | The listener | Show when the wakeword was detected | What the wakeword is | {'utterance': 'Hey Intelora ', 'session': 'some\_unique\_id'} |
| register\_intent | Each skill that registers an intent | Registers the intent with the intent skill | The intent and any other needed information for the skill | {"at\_least\_one": [], "requires": [["HelloWorldKeyword", "HelloWorldKeyword"]], "optional": [], "name": "HelloWorldIntent"} |
| register\_vocab | Each skill that registers vocab | Registers the vocab with the intent skill | The vocab phrase and what type of keyword it is | {"start": "hello world", "end": "HelloWorldKeyword"} |
| speak | Any part of the core that needs to say something | Speaks the utterance | The phrase to speak | {"utterance": "Hello"} |