**Arrested Developers**

**Speech Buddy: Requirements and Tools**

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**Hardware/Software Tools:**

* **Android Studio 2**
* **Adobe Illustrator for Graphic Design**
* **Ubuntu Server**
* **MySQL Database**
* **GitHub Repository**
* **Audio Input Device OR Mock Data**
* **Physical Android Device for Testing**
* **Virtual Machine for Server**
* **Laptop to act as a Virtual Server**
* **Java Developer Kit**
* **Audio API’s and Libraries**

**Project Requirements:**

* **Must have pleasant Graphical User Interface**
* **Must Access Server on Running VM**
* **Must Dynamically Update when Model is Changed**
* **Must have permission to access microphone/speaker**
* **Must Not Crash**
* **Must Be tablet or landscape compatible**
* **Must have at least 5 Images and 10 Classes**
* **Must store local data and be usable offline**
* **Must support English and French**
* **Must support multiple resolutions**
* **Must pass multiple testing processes, including Junit**

**User Requirements:**

* **Must give permission to use audio input/output**
* **Must have Android Device**
* **Must Give access to Calendar**
* **Must have Kitkat or above as their android OS**