**Verification: Did I build the product right?**

My project performs various functions. The main aim of the project is to analyse an image given to the software as input and convert the extracted text to speech form.

The image is given as input in the following way:

By uploading the image: Here, when the user uploads the image, the extracted text is displayed on screen. I have run a few test cases with it.

Test Case 1: The accuracy of the text extracted from the image is 100%. This is because the image has clear printed text with no background noise.

Test Case 2: The accuracy of the text extraction is 66%. This is because the image characters are not very clear and the numbers are hard for the software to decipher, so it confuses some of the numbers with letters.

Test Case 3: The accuracy for the text extraction is 85%. Even though the text is not in the most basic font, the letters being clear (except t, which is confused with a ‘+’) yeild a high accuracy.

**Validation: Did we build the right product?**

According to the Software Requirements Specifications, the various requirements are:

* Uploader Actor:

The Uploader chooses to upload an image for extraction.

The Uploader selects the browse menu to search for the image.

The Uploader selects the image for extraction.

The system extracts the text and displays it onto the screen.The Uploader verifies the result produced by the system.

The extracted text is converted to speech. Either the mp3 file created is simply saved or it is

played.

Software Functions: Our software provides an option for the actor to choose to upload an image. The user can then press the browse button and search for an image. On selecting it, the system will extract the text and display it on the screen. The user can press the feedback button and enter the accurate text that should have been extracted. The system will calculate the accuracy of the result it displayed and displayed the accuracy.

Thus, our product satisfies all the requirements that were promised in the SRS. Hence, we can

safely say that we have built the right product and thus complete the validation stage.