CMPE 287 – Software Quality Assurance and Testing

AI test Tool

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Below are the steps that I had performed in the AI testing tool.

1. Figure 1 shows the login page with my username.

Fig. 1. AI testing tool login page

2. Figure 2 shows the dashboard page after logging in to the tool. Click on Add Project to create a project.
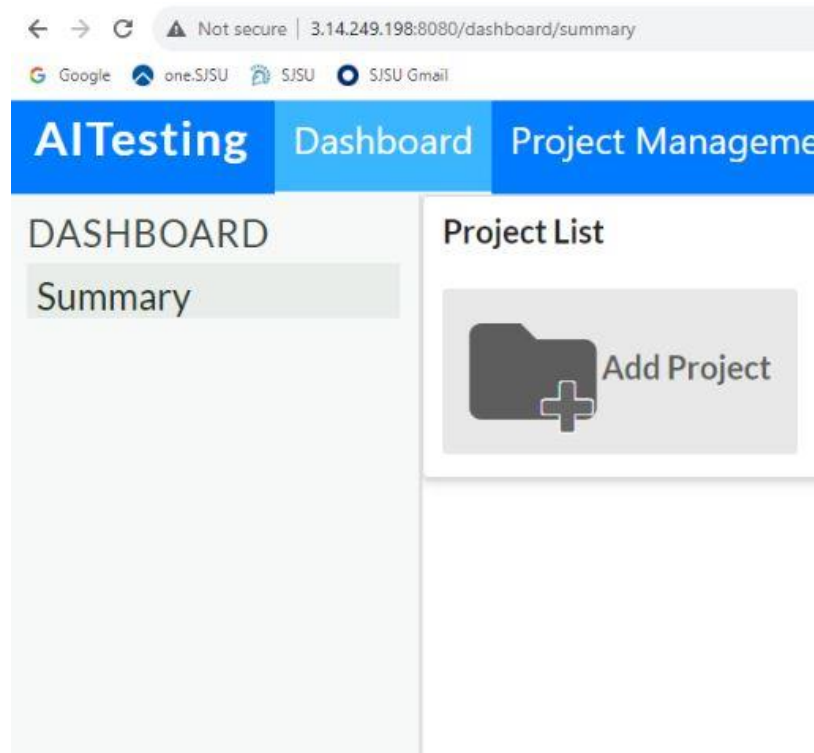

Fig. 2. Dashboard Page

3. Figure 3 shows the Add Project page where we can create the project with a name and function. Here, create Input, Context, and Output models.
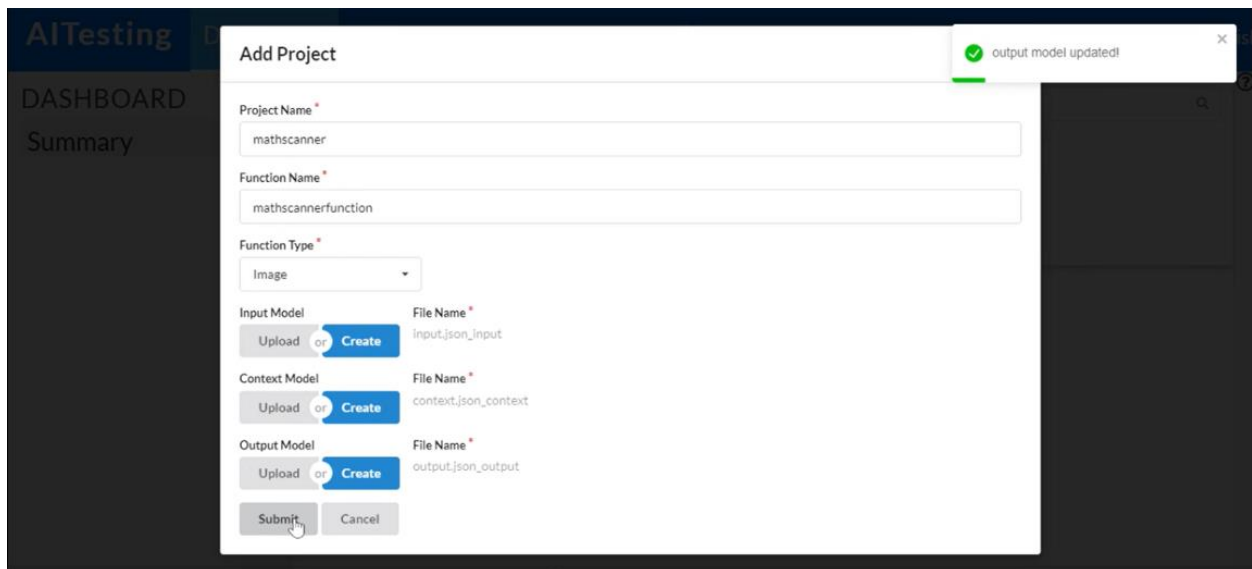

Fig. 3. Add Project Wizard

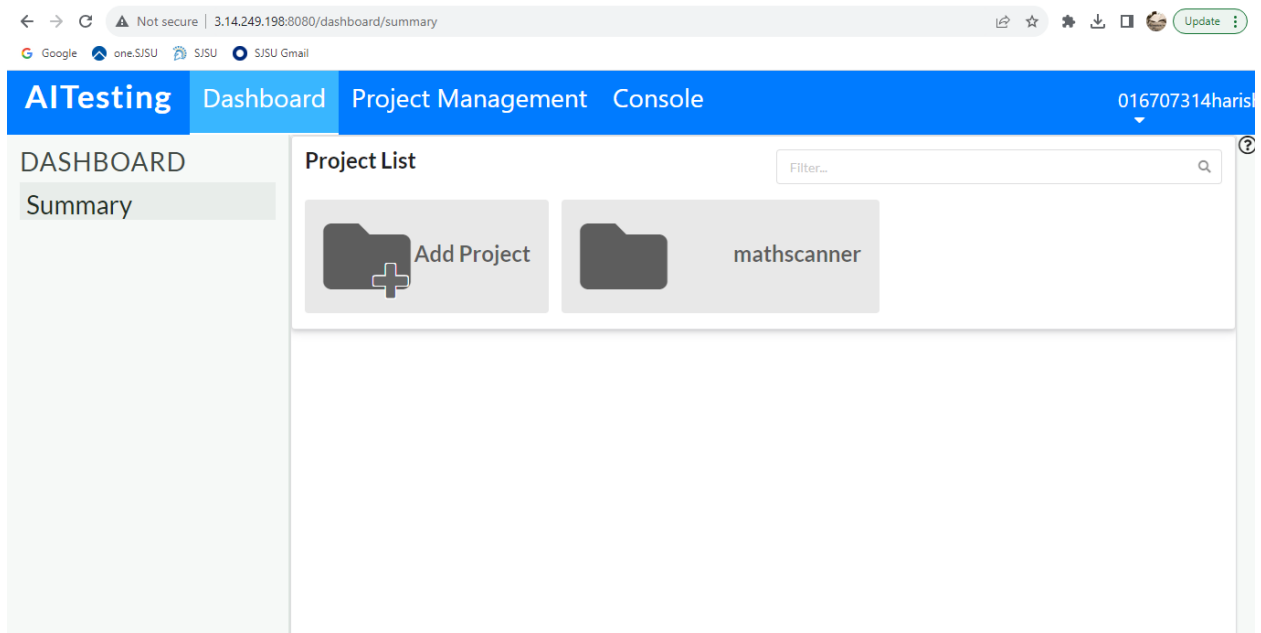4. Figure 4 shows the Project List with my created mathscanner project.

Fig. 4. Project List

5. Figure 5 shows the Project Management tab containing Function List with my created mathscannerfunction.
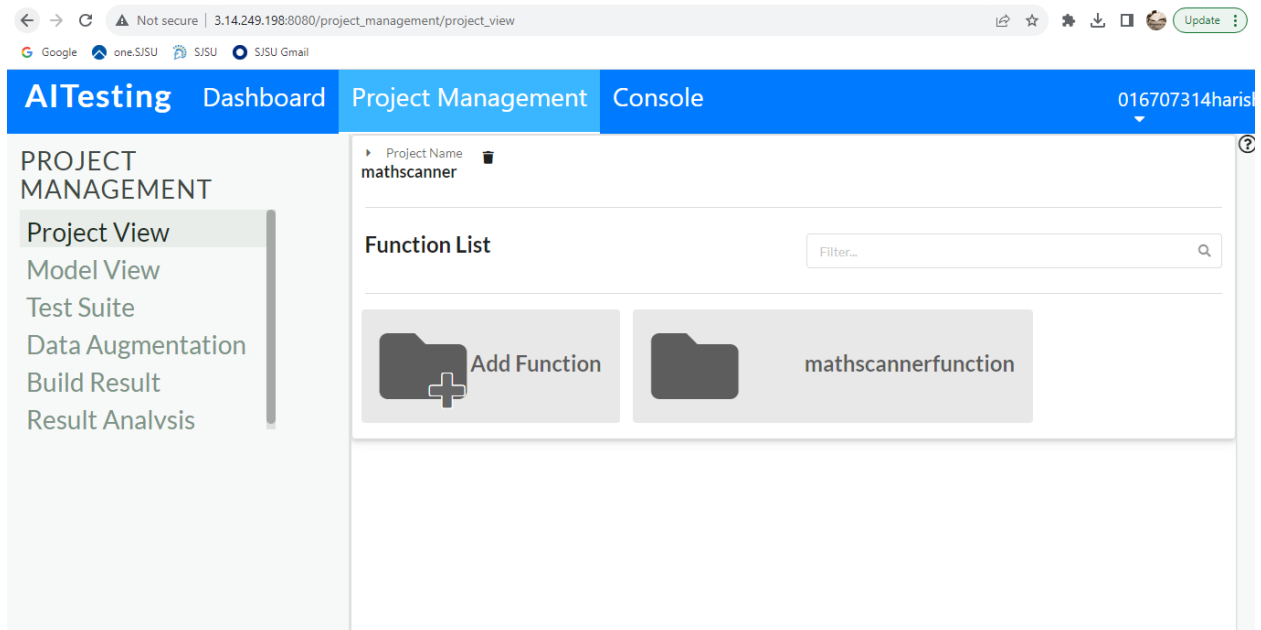

Fig. 5. Function List

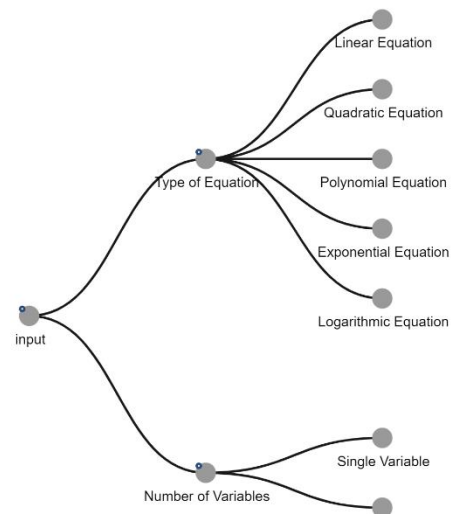6. Click on the created function to open the Model View. Figures 6 and 7 show the tree model of the input.
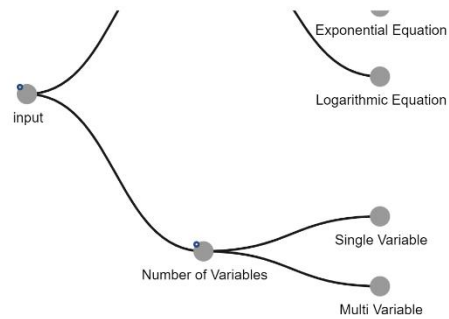

Fig. 6. Input Tree Model

Fig. 7. Input Tree Model

7. Figures 8 and 9 show the input table with number of variables and type of equation as columns.

Fig. 8. Input Table

Fig. 9. Input Table

8. Figures 10 and 11 show the tree model of the context.
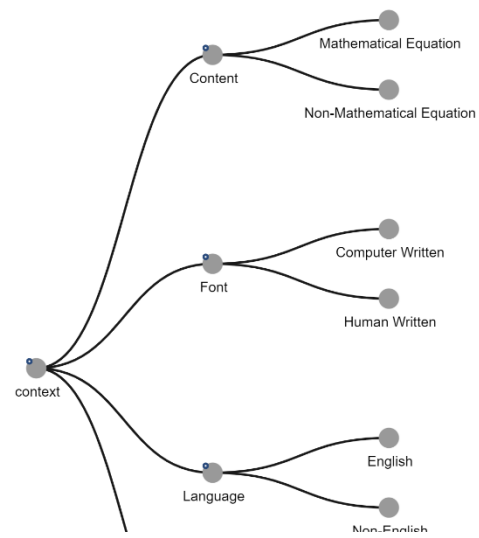
Fig. 10. Context Tree Model
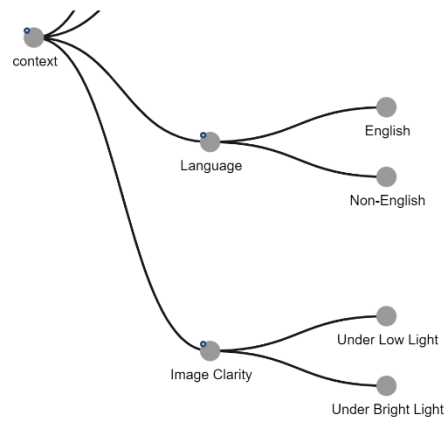
Fig. 11. Context Tree Model

9. Figures 12, 13, 14, and 15 show the context table with content, font, image clarity, and language as columns.

Fig. 12. Context Table

Fig. 13. Context Table

Fig. 14. Context Table

Fig. 15. Context Table

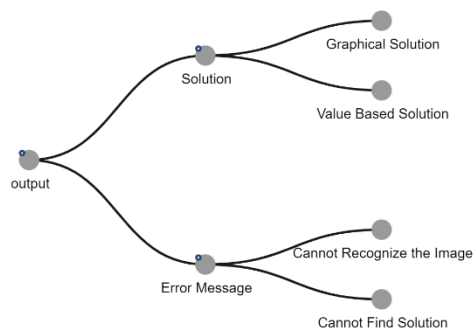10. Figure 16 shows the tree model of the output.

Fig. 16. Output Tree Model

11. Figures 17 and 18 show the output table with error message and solution.

Fig. 17. Output Table

PROJECT
MANAGEMENT

Project View
Model View
Test Suite
Data Augmentation
Build Result
Result Analysis

▸ Project Name   ▸ Function Name
mathscanner   **mathscannerfunction**

[Edit Function]   [Delete Function]

Input

Context

Output

output.json_output ⬇   [Enter a keyword and press enter...   🔍]

id	Error Message	Solution
6	Cannot Recognize the Image	Value Based Solution
7	Cannot Find Solution	Graphical Solution
8	Cannot Recognize the Image	Graphical Solution
9	Cannot Find Solution	Value Based Solution
10	Cannot Find Solution	Value Based Solution

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Fig. 18. Output Table

12. Figures 19, 20, and 21 show the decision tables.

Fig. 19. Decision Table

Fig. 20. Decision Table

Fig. 21. Decision Table

13. Figures 22 and 23 show the total test cases that got generated.

Fig. 22. Test Cases

Fig. 23. Test Cases