

UML recognition on smartboard

Background :

The team will build an application to parse free form UML diagrams on a smartboard or tablet computer and export them into Microsoft Visio. They will build on an existing application from a previous capstone project.

Statement Of Work:

- The Application shall utilize the text ,math and basic geometry recognizers provided in the .Net framework.
- The team will build a custom recognizer to parse UML diagrams.
- The application shall support the ability to select and move the recognized object on the canvas.
- The application shall allow the user to edit or erase an object or a selected line or curve, change its position, undo and redo the changes and provide cut – copy – paste functionality.
- The Application shall interface with Microsoft Visio. It can either be developed as a plugin to visio or a separate application which interfaces with visio in a clean manner.
- The application shall support smartboards, tablet input devices and windows 7 tablet computers.
- The application shall have standard menu items such as save, print, save to pdf etc, export to visio, help etc.

Keywords: Ink Analysis, Smartboard, UML ,Microsoft Visio.

Mentor Information

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