ABC 100
Assignment #1 Report

May 20, 2012

Group #01
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Brief

This document was written to display the usefulness of the TART LaTeX class. This class was initially written to format reports for the ECE 455 and ECE 429 courses at the University of Waterloo, in Waterloo, Ontario. The last time the TART class was updated was May 20, 2012.

Environment

The class was written using MiKTeX, an implementation of TeX for Windows, and Sublime Text 2, a simple text editor with tabs and syntax highlighting.

List of Macros

Basic Macros

`\course` This displays the full course title as specified above. In this case, it displays ABC 100.

`\assignment` This displays the assignment title as specified above. In this case, it displays *Assignment #1 Report*

`\duedate` This displays the due date as specified above. In this case, it displays May 20, 2012

`\group` This displays the group number as specified above. In this case, it displays Group #01

`\groupmem` This displays the groupmembers as specified above. In this case, it displays *jsmith r2crusoe sholmes*

`\fulltitlegroupnum` This displays the title of the assignment with the course number, assignment title, date, and group number.

`\fulltitlegroupmem` This displays the title of the assignment with the course number, assignment title, date, and group members.

`\fulltitle` This displays the title of the assignment with the course number, assignment title, date, group number, and group members.

Section Types

`\nsection` This creates a section with supressed numbering.

`\ncitation` This creates a section with supressed numbering on a new page. Ideally should be used for citations or glossaries (see the **Source Code** section of this document).

Headings and Default Text Snippets

`\brief` Creates a 'Brief' section, as seen at the top of this document.

`\setup` Creates a 'Setup' section.

`\environment` Creates an 'Environment' section.

`\erroranalysis` Creates an 'Error Analysis' section.

Styles

`\mnspace` Uses a nice monospace font for code references or numbers, such as `main();` or `0xFFFF`.

Formulae

`\percenterror{<differing-num>}{<base-num>}` This displays the the percent error formula.

Error Analysis

No real error analysis here. Just a preview of the formulae listed in the **Formulae** subsection above.

$$\%Error = \frac{2 - 1.5}{1.5}$$

Source Code

main.c - our source code Assignment #1 Report

```
public static void main( void ) {
    // NOP
}
```