

# Template Generator - Team 5

**Team Members:** Connor McGarty, Malik Madani, Chris Jacques, Collin Robinson

## Our Product:

- Is a report template generator using SED (String EDitor)
- Generates formal and informal templates for UAB Engineering Students
- Takes user input and generates a document with all applicable sections filled in
  - Document Information
  - Names
  - Section Headings

## Targeted Audience:

- UAB Electrical Engineering Students
- UAB Engineering Students

## What Was Done:

- Audience was selected and GUI was Designed
- SED code was written to generate the template
- GUI was created with code to tie in to the SED
- Other classes were created for managing user input (ex. Template, Headings Tree, etc.)

## Problems:

- Interfacing with RTF (Microsoft Word)
- SED process to run with Java
- Creating a custom file path to save the generated template to.

## Solutions:

- Use WordPad for basic rtf formatting and research source coding RTF files
- Did a lot of debugging steps.
- Allow the user to choose destination only. Name of generated file is determined from Assignment/Subject.

## Interesting Facts:

- Our project is built with good Object Oriented Design.
- The program generates an RTF that can be edited by user in MS Word, or a LaTeX source file can be used instead.

## Lessons Learned:

- Communication is essential.
- Coding takes approximately 10 times longer than original expected.
- A good design will reduce number of problems encountered.