VIA UNIVERSITY COLLEGE
ICT ENGINEERING

# Process Report

## SEP4E

Stefan-Daniel Horvath
Ovidiu Muresan

**August 2018**

**Group Policy** **2**

**SWOT Analysis** **2**

Group SWOT Analysis 2

Individual SWOT Analysis 2

**Considerations** **3**

Considerations before writing the report 3

Personal considerations 3

**Tasklog** **4**

## Group Policy

We agree to:

- Show up to the meetings
- Contribute with ideas
- If you have any suggestions, share them with the others

# SWOT Analysis

## Group SWOT Analysis

**Strengths**
Balanced team.
**Weaknesses**
Lack of programming and work experience.
**Opportunities**
Improving communication, teamwork and programming skills.
**Threats**
Lack of time.

## Individual SWOT Analysis

- **Stefan Horvath:**

**Strengths**
Passionate, creative and dedicated, especially when cranking out code.
**Weaknesses**
Procrastination is an issue, pretty hard to communicate ideas to the team.
**Opportunities**
Understand real time programming better.
**Threats**
Lack of time

- **Ovidiu Muresan:**

**Strengths**
Analyzing all options.
**Weaknesses**
Lacking ability to inspire and encourage others.

**Opportunities**
Improving social, programming skills and team work.
**Threats**
Lack of time.

# Considerations

## Considerations before writing the report

The Process report is aimed to a non-expert audience and therefore should be written in semi-formal style, without any technical expressions. The purpose of the report is to present the group members with few methods of self-assessment and personal reflections and considerations.

On the other hand, the Project report should be written in a formal style because it is aimed to an expert audience. That report contains technical information about how the project was done using analysis, design and implementation. It is assumed that the audience is familiar with the used terms.

## Personal considerations

**Stefan-Daniel Horvath:**

When we were supposed to do SEP4e the first time, I was the only one working because my teammates were too busy studying for exams. When we started working again, we used some of the code that already existed, which meant we had a bit more time. For programming everything went according to plan, all the methods were successfully implemented, even though there are some bugs that are annoying, the program works.

Overall I am satisfied with the projects conclusion, and if there was a bit more time I'm sure we could have ironed out the bugs.

**Ovidiu Muresan:**

Since this is a new semester with new opportunities and challenges of course we didn't have a lot of experience using FreeRtos. Compared to sep2, the tasks we had in second semester doesn’t look that hard now or either complex, and were much easier compared to this one, or maybe because we did it in a two students group. I think it is going to be really challenging for both of us . Besides improving our programming skills by figuring things out on our own, we will also be better at communicating and solving problems as a group.

During the project, I learned that the time passes faster than you would expect it to. I thought we planned our timetable well, but only in the last week of the project we actually realised that we have less than 5 days and a lot of things to do. I know that a group needs to make a plan, and try to stick to it as much as possible, but maybe is because we are students and we tend not be that responsible. When a problem occurs it’s important for us to work together in order to solve it. All in all, our project could be further improved, I’m glad that we had the chance to work on a project like this one using the microcontroller.

# List of Tasks

Since we were only two, both of us contributed to every part of the project.

# Tasklog

| Date | Description |
|---|---|
| **06.08.2018** | Preliminary designs of the system |
| **07.08.2018** | Work on Use Case diagram |
| **08.08.2018** | Work on Use Case descriptions |
| **09.08.2018** | Work on activity diagram and Class diagram began |
| **10.08.2018** | Preparation of all materials for process and project reports<br>Including: all diagrams, group policy |
| **11.08.2018** | Started coding, started documentation of Project & Process Reports |
| **14.08.2018** | Majority of the FreeRtos was done.<br>Started testing and fixing bugs. |
| **16.08.2018** | Thorough test and fixing bugs.<br>Process report preliminary overview and final changes |
| **17.08.2018** | More work on the reports. |
| **19.08.2018** | Finalizing project and process report. |