

EECS 4090 Project

Academic Year: 2017-18

Project title: GradApps 2.0

Instructor name (email): Franck van Breugel (franck@eecs.yorku.ca)

Sponsor name (email): Burton Ma (burton@eecs.yorku.ca)

Student name: Hasan Sadman

Student number: 212497509

Student's email: sadmanh8@my.yorku.ca

Student name: Edward Vaisman

Student number: 212849857

Student's email: edward.eddy.vaisman@gmail.com

Project Description:

The very nature of this course supports students in achieving the learning objectives. There are three players in this course: the student *Team*, a *Sponsor*, and the course *Instructor*.

The *Sponsor* is a client who has expressed a need for a substantial quality software product, and commits to spending a significant chunk of time with the Team needed to elicit the requirements for the product. In addition, the Sponsor signs off on the requirements document and also signs off, via acceptance testing, that the final product satisfies the requirements.

Teams: Students must work in Teams of no less than three members. Team members will evaluate the contribution of other members of the team. Each Team will be required to meet with their Sponsor as required in order to elicit requirements. There will both oral and written deliverables that the students must provide throughout this project.

Project Selection: The Team must develop a *significant* software product. The Team is responsible for finding a Sponsor. The Sponsor may be any faculty member of the York EECS department who will provide the requirements for the product and do the final acceptance testing. The Instructor may at her or his discretion, appoint as a Sponsor somebody outside of the Department (e.g. a suitable sponsor from industry).

Important Note: The Team is responsible for all aspects of the course from requirements elicitation to production of the final code and testing. The Instructor will meet on a regular basis with the Teams, and will assist where possible to deal with the problems that inevitably arise during an open-ended project of this nature, whether the problems are of a technical nature or of a human, social or organizational nature (team cohesiveness, issues with the Sponsor, etc.). However, Teams doing this project also need to recognize up-front that many things can go wrong. Individual Team members might withdraw. The Sponsor may not provide the input hoped for, or might withdraw prematurely. The project may prove too challenging. If such events happen, and the problems cannot be resolved by the Team (assisted by the Instructor), then students may not be able to pass this course in the first instance. In this sense, this course is "risky", just as is software development in any industrial setting.

The aim of this project is to develop a new and improved version of the website gradapps.eecs.yorku.ca. It is expected that the students develop this website from scratch.

Background requirements:

Prerequisites: Only open to students in the Software Development Stream. B or higher in LE/EECS 3311 3.00, and completion of LE/EECS 3101 3.00, LE/EECS 3342 3.00

Co-requisites: LE/EECS 4312 3.00, LE/EECS 4313 3.00

Evaluation:

The Instructor is responsible for all grades assigned. Where relevant the Instructor will receive evaluative input from the Sponsor or the Teams themselves.

By the end of first term:

1. (10%) Each Team must present an initial requirements document to the Instructor and the Sponsor. The grade will be assigned based (partially) on feedback from the Sponsor. The Team must provide a technically complete and literate requirements document written to professional standards. This document must be at a level that allows the Sponsor to understand and evaluate whether his or her goals are clearly and completely expressed.
2. (10%) An oral slide presentation to the Instructor of the preliminary design and documentation. Each team member must present an aspect of the whole design. The team must also provide the Instructor with a technically complete and literate design document at the beginning of the presentation written to professional standards. The grade is based on the presentation and documents.

By the end of the second term:

3. (10%) The final requirements documents (evaluated as discussed in 1.). The Sponsor must sign-off on this document.
4. (20%) The usability and correctness of the product via acceptance testing. The Instructor will assign a grade based on feedback from the Sponsor as well as his or her own judgement of the product. The team must provide the Sponsor and the Instructor with the final software product (code, installation procedures, and manual).
5. (40%) Each team member must present to the Instructor an aspect of the whole project. Complete design and testing documents must be provided to the Instructor at the beginning of the presentation. The grade depends on both the presentation and the documents. This part of the evaluation usually assumes that the product has already been shown to work as in 4.
6. (10%) Team self-assessment of each other.

Signatures:



Student (Hasan Sadman):



Student (Edward Vaisman):



Instructor (Franck van Breugel):

A handwritten signature in blue ink, appearing to be 'F. van Breugel', written over a horizontal line.

Sponsor (Burton Ma):

A handwritten signature in blue ink, appearing to be 'Burton Ma', written in a cursive style.

Course director (Michael Jenkin):

Date: 09/19/2017 [10:03:54 AM EDT]
From: Michael Jenkin <jenkin@cse.yorku.ca>
To: Franck van Breugel <franck@cse.yorku.ca>
Subject: Re: EECS 4090

Approved. Can you please re-send the pdf (it came through as zero bytes). I am archiving these for quality assurance.

Thanks

Michael

On Sep 18, 2017, at 6:11 PM, Franck van Breugel <franck@cse.yorku.ca> wrote:

Hi Michael,

Attached you find the EECS 4090 project proposal.
I left the hard copy in your mailbox.

Franck

From: Lassonde-Elec@yorku.ca
Subject: Message from "RNP002673CC8FAC"
Date: September 18, 2017 at 6:02:57 PM EDT
To: "Franck van Breugel" <franck@cse.yorku.ca>

This E-mail was sent from "RNP002673CC8FAC" (MP C6004).

Scan Date: 09.18.2017 18:02:57 (-0400)
Queries to: Lassonde-Elec@yorku.ca

<20170918180257784.pdf>