

# QM Lab Course Project

## Requirements Document

### Group 3

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# I. Introduction

## II. Background

In January of 2016, our group was commissioned by Nathaniel Osgood and Geoff MacDonnell to design an application, termed by our group as QM Lab, which would serve as a qualitative and collaborating modelling platform for users to create diagrams of various systems.

The need for this project does not come from the lack of modelling tools, but the lack of modelling tools which allow real time collaboration a la Google Docs. Therefore, a major portion of this project will be combining existing technologies and architectures to meet this need.

The schedule for this project is **five** incremental deliverables dated for February 7th, February 24th, March 8th, March 4th, and April 7th of 2016, respectively. We will complete this project with a group of 14 members broken up into a design team, implementation team, testing team, triage team, as well as a build project lead, integration officer, and risk officer.

## III. Scope

A. The software must:

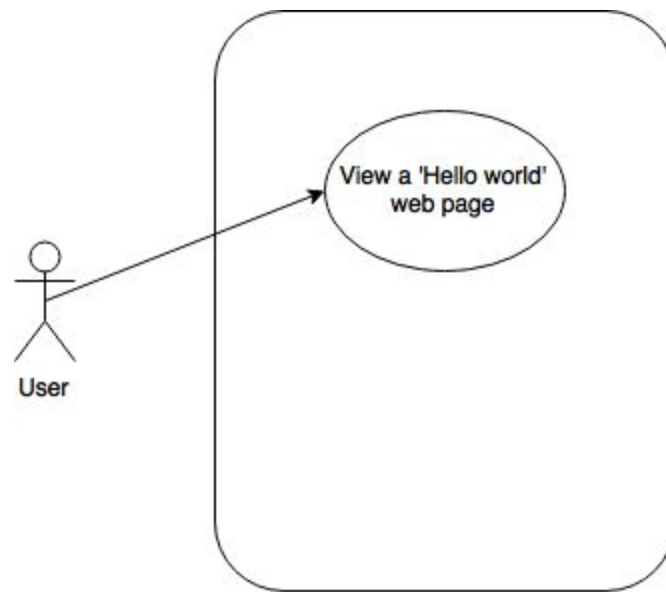
B. The software should:

C. It would be nice if the software could:

## IV. Actors

## V. Use Case Diagrams

For the first incremental deliverable, the use case is rather simple, as diagramed below. The only real requirement for an actor currently is to view a web page. This provides proof of concept that our technologies can connect. The remaining proof of concept come in the form of spike prototypes which will be thrown out later.



Use case diagram for the first incremental deliverable

VI. Activity Diagrams

VII. Storyboards

VIII. Conclusion