

# Chemistry Quiz Generator

## *Client Requirements Document*

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Client: Thomas Gluick

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Team Members:

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### PROJECT DESCRIPTION

For use by chemistry faculty to generate quizzes and answer sheets.

**Architecture:** JavaScript, Node, Angular.

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### SERVICE NEED

This will allow professors to easily check for the correct answer, be able to print and share those answers among students or faculty. The generator should allow the users to select a preferred question to obtain the solution for the choices made.

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### TECHNICAL ISSUES

Creating a platform that needs to be online has its challenges, so one would need to find the right host and make it secure. Since the contents of this project are not personally identifying data, the required security level doesn't need to be high.

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### TIMELINE

<i>Requirements Document Draft</i>	<i>January 30</i>
<i>Requirements Phase</i>	<i>February 17</i>
<i>Client Checkpoint</i>	<i>March 22</i>
<i>Final Product Delivery</i>	<i>April 22</i>
<i>Demos</i>	<i>April 25</i>

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## **PRIORITY**

Based on our first interview which was done via email, our client has a few major concerns regarding the work that was done previously by the other team. As we move forward these are the functional requirements and are our top priority.

For our next meeting, we need to request a disclaimer from our customer, regarding the data that is given to us either the questions or the answers (Chemistry Subject), to clarify that our job is to simply implement them for a web-based experience. The content of the disclaimer is that the development team should not be held responsible if the answer to certain questions are wrong or formatted incorrectly – professors should double-check the output.

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## **JUSTIFICATION**

These missing functions are the basis of this project, therefore implementing them is important to our client.

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## **REQUIREMENTS**

### **FUNCTIONAL:**

1. Ability to do other limiting reactant problems
2. Ability to print out question with and without an answer
3. Ability to print out a form that can be inserted into Word file.

### **NON-FUNCTIONAL:**

1. Performance, memory, reliability; needs to be hosted. (Heroku?)
  1. Heroku could be host option for us since its free.
2. Policies, implementation & delivery requirements; deadlines?
  1. The First Policies should be clear, that this is only to be use by faculty
3. Ethics

### **DOMAIN:**

1. GGC Professor as Administrator, to approve users who can login.
  1. The Idea behind this is to implement system that only allows selective users have access to the platform
2. Basic understanding of various chemistry concepts.

## Project Team Roles and Responsibilities

- ◆ Matthew - Code Architecture & Testing Lead
- ◆ Wes - UI/UX & Testing Lead
- ◆ Austin - Data Modeler & Client Liaison
- ◆ Farzin – Team Manager & Documentation Lead

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## COMMUNICATION PLAN

The focus is to use Discord for easy discussion regarding the project. Git Hub will be the Repository. The client meetings can be face to be by a team member or more and it can also be arranged via Email or another online platform.