|  |  |
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|  | **Qatar University**  **College of Engineering**  **Department of Computer Science and Engineering** |

Senior Project Report

**<ToDo: Insert Project Title />**

**Project Group Members:**

<ToDo: StudentName1 (StudentId1)

StudentName2 (StudentId2)

StudentName3 (StudentId3) />

**Supervisor**: <**ToDo:** Supervisor Name />

**Co-Supervisor**: <Remove if not applicable/>

**20??**

This project report is submitted to the Department of Computer Science and Engineering of Qatar University in partial fulfillment of the requirements of the Senior Project course.

# Declaration

This report has not been submitted for any other degree at this or any other University. It is solely our work except where cited in the text or the Acknowledgements page. It describes work carried out by us for the senior project. We are aware of the university policy on plagiarism and the associated penalties and we declare that this report is the product of our own work.

< **ToDo:** For each student add the signature and the date of signing the declaration />

Student: Date:

Signature:

Student: Date:

Signature:

Student: Date:

Signature:

# Abstract

< **ToDo:**

* The abstract is a brief overview of your project and its objectives.
* It should present an accurate summary of the problem your project has addressed and a summary of your solution.
* Highlight key achievements and most important conclusions.
* The length of your abstract should not exceed 500 words.

/>

<**ToDo:** **Writing the final report**

* To produce the final report, you can follow the following recommended steps:
* Where appropriate, copy material from your interim report into the final report. Go through that material, and update it based on changes that have occurred in your project between last semester and now.
* Revise the Abstract and enhance it by adding the project’s key achievements and most important conclusions. The last paragraph should highlight the novelty of your design (e.g., what makes your design unique and what are the impacts of your engineered solution, etc.).
* Fill in all of the appropriate material required for the final report.
* Update the Table of Content, the List of Figures, and the List of Tables.
* Review the whole document to make sure that it is coherent and to ensure that it addresses all the requirements listed in the Project Guide and the Project Grading Rubrics. Also make sure that the tense used is the present tense and the past and not the future (e.g., avoid ‘we will’ or ‘system should’ and report what has been done) except in the Future Work section.
* Seek your supervisor’s feedback and address any issues raised.
* Note that the template is only provided as a guide. In consultation with your supervisor, you can add other sections to align it with the nature of your project.
* If you are using Word ‘Track Changes’ you must accept all the changes before submitting your report.
* Keep the ToDo instructions and only remove them from the **final revised report** that you will submit **after** the Senior Project presentation and after addressing the examiners feedback.

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# Acknowledgment

< **ToDo:**

* Acknowledge any assistance you received for your project.

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## Market Research and Business Viability

< **ToDo:**

* Conduct market research to address the following:
* Describe the market need and the market size.
* Identify the target customers and their demographic.
* Describe the competing products and how does yours differ from that offered by competitors? Highlight the novel features of your product and the benefits it offers.
* Develop a business plan including your business model, pricing, marketing strategy to bring your product to market and make it competitive.

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The market analysis consisted of three main aspects:

1. Survey sample scope analysis
2. Number

A sample scope of 227 answers of a survey has been recorded

1. Gender
2. Age
3. Field
4. Occupation

Based on all of the above the sample was categorized into 8 main groups based on common & significant characteristics (job, age..etc) that will help to get better understanding and analysis of the answers

Target groups

1. Engineering male student (18-25 years): 64
2. Non-engineering male student: 29
3. Engineering female student : 22
4. Non-engineering female student: 20
5. Female employee (+20years) : 27 (11 are in education ; 22 are above 30 years)
6. Male employee (+20years) : 38 (17 in education, 10 in engineering)
7. Housewife: 6
8. Male & female (-18years) : 12

Targets represent 97.3% of total data set

The analysis considers the overall top 2 answers as well as the top answer in each category.

1. Need for the application (based on the sample scope)
2. Security behavior

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | location | forgetting | reusing | Hacked before |
| Top 1 | Memorization (…%) | 2/5 | 1-3 times | never |
| Top 2 | On a file in phone or pc | 3/5 | 4-10 times | Idk & 1-3 times |
| Engineering male student |  |  |  |  |
| Non-engineering male student |  |  |  |  |
| Engineering female student |  |  |  |  |
| Non-engineering female student |  |  |  |  |
| Female employee (+20years) |  |  |  |  |
| Male employee (+20years) |  |  |  |  |
| Housewife |  |  |  |  |
| Male & female (-18years) |  |  |  |  |

1. Security knowledge
2. Innovation (their knowledge about the app)
3. Features in the application