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| **المملكة العربية السعودية**  **وزارة التعليم العالي**  **جامعة الإمام محمد بن سعود الإسلامية**  **كلية علوم الحاسب والمعلومات** | A description...  **Second term 1441/2020** | **KINGDOM OF SAUDI ARABIA**  **Ministry of Higher Education**  **Al-Imam Mohammad University**  **College of Computer & Information Sciences** |
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Table of Contents

[1. Introduction 3](#_Toc35532274)

[2. High Level and Medium Level Design 3](#_Toc35532275)

[2.1 System Level Diagram 3](#_Toc35532276)

[2.2 Class Diagram 4](#_Toc35532277)

[2.3 Class Method Descriptions 4](#_Toc35532278)

[3. Detailed Design 4](#_Toc35532279)

[4. User Interface Design 5](#_Toc35532280)

[5. Conclusion 5](#_Toc35532281)

# 1. Introduction

Here we will give a scope description of everything included in this document.

AJCSS is an Automatic Jobs Candidates Selection System. AJCSS software will allow users to store vacant jobs’ and jobs’ seekers data(candidates). It also allows users to apply matching process between jobs and candidates and generate a report of the matched candidates. AJCSS will not perform hiring or recruitment process. AJCSS will automate the selection of the most suitable unprocessed candidates for a vacant job. It will reduce the time and cost the manual process. It will save HR managers and members time and provide what is so-called recruitment’s equal opportunity. AJCSS will allow users to apply a matching criterion based on the comparable attributes of jobs and candidates. Such criteria will consider multiple attributes for matching from different data types and values (integers and Boolean values). The criteria will apply exact matching between some attributes and inexact between some others. If exact match failed then no matching found, where in the inexact case, a match is found if attribute’s value of a candidate is greater than or equal to the same attribute’s value of a job. The matching process will aggregate the exact and inexact matches as a value of 10 points per attribute. Exact match is either 0 or 10 points while inexact is a range from 0 to 10. Boolean attributes are preferences and will not affect the matching process. The result of the matching process will produce a list of matched candidates -if exists- sorted by the highest aggregated percentage of a matched candidate. The matched list will be sent as a report to the HR manager. The status of the selected job for matching will be updated as occupied and the status of the matched candidates will be updated as processed. Regarding the progress that has been made since the SRS document, we have been designing the graphical user interface (GUI) of the application. As well the system model design and the architectural pattern.

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# 2. High Level and Medium Level Design

## 2.1 System Level Diagram

## 2.2 Class Diagram

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## 2.3 Class Method Descriptions

# 3. Detailed Design

# 4. User Interface Design

# 5. Conclusion