
Software Requirements Specification

for

AdlView

Version 1.0 approved

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16.06.2021

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Revision History

Name	Date	Reason For Changes	Version
Initial Version	20.06.2021	The system was designed.	V1.0
Update Version	26.06.2021	Some improvements have been made.	V1.1

1. Introduction

1.1 Purpose

This is an online job interview system. The system consists of several stages for different departments. There are system-related requirements in this document. This document contains the user requirements of AdlView 1.0.

1.2 Document Conventions

The font is Times.

There is a 6nk space between the title and the text.

There is a 4nk space between texts.

Headings are written in bold font.

1.3 Intended Audience and Reading Suggestions

This document is prepared for business owners who use the job interview system and want to learn about AdlView.

This document has been prepared for those who participate in the online job interview of companies that use the job interview system and want to learn about AdlView.

To learn the basic features of the system and how it works, the 3rd section, system feature, should be checked. This section contains functional requirements

For information about interfaces, refer to 4.1.

To have information about system operation and design, refer to 4.3.

For information about the internet communication behavior of the system, refer to 4.4.

To have information about how the system behaves as a whole and product features, see section 5.

1.4 Project Scope

This app allows applicants to:

- Login with the username and password given by the company.
- The technical exam, which is the first stage of the interview, is held.
- The second stage of the interview is an English video exam.

-An exam is held to measure the participant's knowledge about the company, which is the third stage of the interview.

-Personality test, which is the fourth stage of the interview, is done.

- The interview is completed with the fifth and final stage, the online interview.

-Displays a detailed result document at the end of each interview.

This app allows company principals to:

-Applicants are assigned a username and password.

-Can choose the order and content of the interview tests.

-Can add applicants to the candidate pool.

-Can set a date for interview tests.

-Can score interview tests.

-Determines the candidates who are eligible for the next interview step.

1.5 References

<https://jelvix.com/blog/software-requirements-specification>

<http://www.se.rit.edu/~co-operators/SoftwareArchitectureDocumentation.pdf>

<https://senior.ceng.metu.edu.tr/2016/fixit/SRS.pdf>

<https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-database>

“IEEE Std 830-1998: IEEE Recommended Practice for Software Requirements Specifications”

2. Overall Description

2.1 Product Perspective

The application runs on the latest version of various browsers. The application GUI is controlled by keyboard and mouse. Connects to microphone, camera. With the menu, exit can perform profile operations. The application allows uploading profile photo (png and jpg), uploading video (MPEG, MOV, DAT, FLV, MKV, MP4), uploading answers to questions (pdf). © Copyright 2021 by Eloselomtime. All rights reserved. The application stores project data in JSON format to enable easy integration with 3rd party applications.

2.2 Product Features

The product allows the owner of the company to prepare a phased interview in line with his wishes and to evaluate this interview by experienced people from his team. The product enables the applicant to perform the interview and reach the detailed result reliably. Applications with negative results are waiting in the candidate pool. Personal data is not used without the consent of the users.

2.3 User Classes and Characteristics

The expert (e.g. engineer, lawyer) prepares the technical interview questions and evaluates the exam and creates a detailed result document.

Human resources specialist determines the interview dates, assigns a username and password to the applicants, prepares and evaluates the interview questions in English, prepares and evaluates the questions about the company, prepares and evaluates the personality inventory questions, and manages the online interview. Prepares the results in detail and notifies the applicant. It determines the applicant to be included in the applicant pool.

Applicant who qualify for an interview complete the interviews.

2.4 Operating Environment

Adlview system will work as web application.

Adlview platform will operate on the latest versions of Google Chrome (Chrome 2018), latest android and iOS version for browser.

2.5 Design and Implementation Constraints

A RESTful API must be offered for administrative functions. The application's Internet connection is also a limitation. Because the program retrieves data from the database over the Internet, it is essential that the user has access to the Internet.

2.6 User Documentation

Stakeholders of the software system are the target audience of the user documentation created about the software system. The software requirements document (SRS) is provided with the software.

2.7 Assumptions and Dependencies

Applicants should be able to enter the system with the user information (PIC) provided by the companies.

The system requires an internet connection. Even if there is an internet disconnection during the exam, the answers will be recorded in the system.

There will be no server lags.

Human resources specialist and expert will be kept as "authorized" in the database.

Personal data will be protected.

If the device does not have enough hardware resources for the system, for example, the camera or microphone may be broken. There may be scenarios where the system does not work as desired or even does not work at all.

3. System Features

There are 3 different user types in the system. They have different features. These will be explained in this section.

Characteristics of the Features

3.1 Login

3.1.1 Description and Priority

The username and password given by the company are required for the candidate who has the right to be interviewed. This feature is high priority.

3.1.2 Stimulus/Response Sequences

Click “Login” button: Login data form will be displayed.

Click “Submit” button: Register data will be validated, error messages will be displayed as labels or dialog boxes, successful login will forward the user to user main page.

Click “Forgot my password” button: It will allow the authorized person to be contacted.

3.1.3 Functional Requirements

REQ1 - The system should check the accuracy of the information entered by the user.

REQ2 - The system should ensure that applicants who forget their passwords contact the authorized person.

3.2 Technical Exam

3.2.1 Description and Priority

The technical exam was prepared by the expert and uploaded to the system by expert. The technical exam measures whether the applicant has sufficient knowledge in the field to be employed. In this test, if the company requests, it can be connected to 3rd party applications. Therefore, the candidate can be redirected to other pages. This feature is high priority.

3.2.2 Stimulus/Response Sequences

Click "Start Exam" button: If the company has used a 3rd party application, the user will be directed to that application. If not used it will remain in the system. After that, the technical exam will begin. If the company has requested a timed exam, the time will start to count down.

Type Answer or click one of the "A or B or C or D" buttons: The candidate will answer the question according to the content of the question.

Click "Next" button: The next test question will be passed.

Click "Previous" button: It will move to the previous test question.

Click "Save Answers" button: The candidate will save their quiz answers.

Click "Finish Exam" button: The candidate's answers will be saved and the Technical Exam will end. If not delivered before time, the system will save the final version of the exam and the exam will end.

3.2.3 Functional Requirements

REQ3- The system should check if the questions have been answered.

REQ4 - The system should count down the exam time at the exam time.

REQ5- The system should monitor the user's internet activity to prevent copying.

REQ6- The system should not allow copy-paste operations in Test questions. If there is coding question, it will allow it.

REQ7- The system should warn the applicant for unanswered questions.

3.3 English Video Exam

3.3.1 Description and Priority

The applicant answers the English interview questions prepared by HR orally in English. At this stage, the applicant's English knowledge is tested. Applicant can watch the video it recorded. There is a 3-minute video limit. The applicant can save up to 3 record. This feature is high priority.

3.3.2 Stimulus/Response Sequences

Click "Allow camera access" button: Camera access will be provided with the permission of the applicant.

Click "Allow microphone access" button: microphone access will be provided with the permission of the applicant.

Click "Test your audio and video" button: The applicant will test the audio and video quality of their device to enjoy a quality online calling experience. The applicant will be able to change the camera and microphone settings according to the test.

Click "Start Recording" button: The applicant will start the video recording to verbally answer registered human resources specialist questions.

Click "View Recording" button: The applicant will be able to watch the video he recorded.

Click "Restart Recording" button: If the applicant wants to stop and restart recording during recording, it will restart recording.

Click "Edit Recording" button: The applicant will be able to delete the unwanted places in the recording.

Click "Save Record" button: The applicant will be able to save up to 3 records for later selection.

Click "Delete" button: The applicant will be able to delete the record.

Click "Select Record" button: The applicant will be able to choose to send the saved recording.

Click "Submit" button: The applicant will submit their registration for consideration.

Click "Leave" button: The applicant will finish the English Video Exam.

3.3.3 Functional Requirements

REQ8- The system should have access to the applicant's camera.

REQ9- The system access to the applicant's microphone.

REQ10- The system should not allow recordings longer than 3 minutes.

REQ11- The system should allow the applicant to watch the recordings.

REQ12- The system should allow the applicant to edit the recordings.

REQ13- The system should allow the applicant to delete their records.

REQ14- The system should allow the applicant to make a maximum of 3 entries.

3.4 Company Knowledge Test

3.5.1 Description and Priority

Company Knowledge Test is a exam to measure the applicant's knowledge about the company. This feature is high priority.

3.5.2 Stimulus/Response Sequences

Click "Start Test" button: The questions of the Company Knowledge Test will be displayed.

Click one of the "A or B or C or D" buttons: The applicant will mark the appropriate answer.

Click "Next" button: The next test question will be passed.

Click "Previous" button: It will move to the previous test question.

Click "Save Responses" button: The candidate will save their quiz answers.

Click "Finish Exam" button: The candidate's answers will be recorded and the Company Knowledge Test will end.

3.5.3 Functional Requirements

REQ15- The system should check if the questions have been answered.

REQ16- The system should warn the applicant for unanswered questions.

REQ17- The system should save the answers.

3.5 Personality Test

3.5.1 Description and Priority

Personality test is an exam prepared to analyze the personality of the candidates and reveal their basic competencies. There are no right or wrong answers in these tests. Emotional, verbal, visual and auditory skills will be analyzed according to the answers given to the questions. This feature is high priority.

3.5.2 Stimulus/Response Sequences

Click "Start Test" button: The questions of the Personality Test will be displayed.

Click "A or B or C or D" buttons: Applicant will mark the appropriate answer. The applicant will only give one answer to the questions.

Click "Next" button: The next test question will be passed. If the question is empty, the next question cannot be passed.

Click "Previous" button: It will move to the previous test question.

Click "Save Answers" button: The applicant's answers will be recorded.

Click "Finish Exam" button: Applicant's answers will be saved, and the Personality Test will end.

3.5.3 Functional Requirements

REQ18- The system should allow the user to flag an answer.

REQ19- The system should save the answers.

REQ20- The system should check for empty questions.

REQ21- The system should send an error message on a possible error.

3.6 Online Interview for Applicant

3.6.1 Description and Priority

Online interview is a live interview with two authorized persons from the company, one from the registered human resources specialist and one from the expert, and the applicant in an online environment. The applicant will answer the questions orally. Online interview will provide a clearer assessment of the applicant's immediate reflexes and level of knowledge. Authorities will make better choices through mutual communication. This feature is high priority.

3.6.2 Stimulus/Response Sequences

Click "Join Online Interview" button: The applicant will begin preparing to attend the online interview.

Click "Allow camera access" button: It will provide camera access with the permission of the applicant.

Click "Allow microphone access" button: It will provide microphone access with the permission of the applicant.

Click "Test your voice and image" button: The applicant will test the audio and video quality of their device to have a quality online calling experience. Applicant can change the camera and microphone settings according to the test.

Click "Start Online Interview" button: The applicant will start an online meeting with two authorized persons (human resources officer, technical staff). Applicant will answer the questions orally. The applicant's communication skills are also included in the assessment at this stage.

Click "Leave" button: The applicant will leave the online interview.

3.6.3 Functional Requirements

REQ22- The system should obtain camera and microphone permission from the user.

REQ23- The system should record the user's interview.

REQ24- The system should send a thank you message after the user leaves the interview.

3.7 Result Display

3.7.1 Description and Priority

Applicants will be able to see the results of the interview stages they entered in detail. If the questions have a correct answer (such as a technical interview, a test to measure company knowledge), right and wrong, if the questions do not have a single correct answer (such as personality test, video English interview, online interview), the comments of the authorized persons who evaluated the interview will be visible. This feature is medium priority.

3.7.2 Stimulus/Response Sequences

Click "Results" button: The applicant will view the success of the interview and a detailed scoreboard.

Click "Answers" button: The applicant will show correct answers, if any, or comments made by authorized persons to the answers.

Click "Average" button: The Applicant will display the Grade Point Average (GPA) of the interviews he attended.

Click "Ranking" button: The applicant's rank is written in the interview attended.

3.7.3 Functional Requirements

REQ25- The system allows the user to view the results.

REQ26- The system allows the user to view the average of the interview.

REQ27- The system allows the user to view the sequence.

REQ28- The system allows the user to view the correct answers.

3.8 Creating a New User

3.8.1 Description and Priority

It is the creation of a username and password by an authorized person by the human resources specialist so that the candidates invited for the interview can log into the system among the applications. The created username and password will be sent to the applicant by e-mail. A random username and password will be generated from the applicants' information. This feature is high priority.

3.8.2 Stimulus/Response Sequences

Click "Create a New User" button: For the applicants who are eligible to participate in the interview, a page where a username and password will be created will be opened.

Click "Create" button: A random username and password will be generated from the personal information provided by the applicant while applying for the interview. The username will be composed of the person's name and a few random numbers, while the password will be completely random with at least 8 characters.

Click "Confirm" button: T The created username and password will be checked by the human resources specialist.

Click "Rebuild" button: If there is an error/missing in the created username and password, it will be recreated.

Click "Submit" button: The created username and password will be sent to the applicant's e-mail address. In this e-mail, the contact information of the human resources specialist and the link of the site where the interview will be held will also be sent to the applicant.

3.8.3 Functional Requirements

REQ29- The system should allow the user to create a username and password for the applicant.

REQ30- The system should send the applicant an e-mail with the username, password and necessary information.

3.9 Test Creation and Setup

3.9.1 Description and Priority

Registered human resources specialist prepares questions for the tests at the interview stages and assign the date and time. This feature is high priority.

3.9.2 Stimulus/Response Sequences

Click "Prepare Interview" button: Interview stages will be displayed.

Click "Exam" button: Various templates for the exam will be displayed.

Click "Select Template" button: The user will select the template suitable for the subject.

Click "Create" button: Required fields will be filled. Feedback will be received after clicking the create button.

Click "Set Date and Time" button: The user will assign a date and time for the exam s/he prepared. The user will receive feedback that the requested time and date has been created, if appropriate. If it is not suitable, s/he will receive feedback that it will not create and will choose another date.

Click "Edit Exam" Button: If the user wants to edit the quiz, s/he will edit the questions again.

Click "Send" Button: Exam information will be sent to the applicants who will take the exam.

3.9.3 Functional Requirements

REQ-31: The system should allow the user to prepare the exam for the interview and to assign a date to the exam he/she has prepared.

REQ-32: The system should check the data for database constraints such as data length, data type and format. An error message will be displayed if the data is incorrect. If the data is correct, the data will be stored in the database and a message will be displayed to successfully complete the creation.

3.10 Set the Interview Phase Order

3.10.1 Description and Priority

Registered human resources specialist can order the prepared interview exams as they wish. By default, the interview order is technical exam, English video exam, company knowledge measurement test, personality test, online interview. The user can sort what s/he wants from these exams and remove what s/he does not want. The feature is medium priority.

3.10.2 Stimulus/Response Sequences

Click "Prepared Exams" button: Exams prepared by registered expert users and registered human resources expert will appear on the screen. Exams will be sorted by drag and drop method.

Click "Sort" button: When the desired sequence is created, the sequence button will be clicked, and feedback will be received about the sequence being set.

3.10.3 Functional Requirements

REQ-33: The system should allow the user to set the order of the call.

REQ-34: The system should create a database command using this sequence, connect to the database, run the database command and save the set sequence.

3.11 Interview Results Evaluation for Human Resources Specialist

3.11.1 Description and Priority

The registered human resources specialist evaluates the exam prepared by him/her. S/He explains in detail the applicant's score and what s/he did wrong. The feature is high priority.

3.11.2 Stimulus/Response Sequences

Click "Participants" button: The names of the participants who took the exams will be displayed. If the exam to be evaluated is multiple choice, the user will see that the results are evaluated automatically by the system.

Click "Assess" button: If the exam is not multiple choice, the user will evaluate the exams for each participant individually. The user will see the participant's responses by clicking the rate button next to each participant's name.

Click "Submit" button: After the user evaluates the questions, he will fill in the score entry, write his feedback and complete and submit the participant's evaluation.

3.11.3 Functional Requirements

REQ-35: The system should allow the user to see the participants.

REQ-36: The system should allow the user to access and evaluate each participant's exam and write their score.

REQ-37: The system should e-mail the participant that his/her exam is being evaluated and the participant should be able to access the assessment from his/her profile.

3.12 Following the Interview Process

3.12.1 Description and Priority

The registered human resources specialist follows the interview progress of the applicant. Updates the interview stages. The user informs the applicant what the next exam is and whether he/she can take the exam. This feature is high priority.

3.12.2 Stimulus/Response Sequences

Click "Participants" button: The user will see the applicants who have logged into the system.

Click "Applicant" button: The user will access information about the applicant, will see what stage s/he is in and her/his scores. The user will check whether the applicant can proceed to the next stage according to the score he/she has obtained from the current stage.

Click "Inform" button: If the applicant can pass, what the next stage is, the date and time will inform. If the applicant does not pass, s/he will inform that he has been eliminated. The user will fill in required fields. The user will receive feedback that the information has been transmitted.

3.12.3 Functional Requirements

REQ-38: The system should allow the user to review the applicants' exam history.

REQ-39: The system should allow the user to evaluate applicants and inform about the next stage.

REQ-40: The system should forward the form submitted by the user to the applicant. The applicant should access this form from his/her profile or via e-mail.

3.13 Online Interview for Human Resources Specialist

3.13.1 Description and Priority

The registered human resources specialist conducts an online interview with the applicant with an expert in the field to which the applicant is applying. The applicant is expected to introduce himself/herself and explain why the applicant wants to do this job. This feature is high priority.

3.13.2 Stimulus/Response Sequences

Click "Start Interview" button: The registered human resources specialist will start the interview on the date and time given to the applicant.

Click "Invite Participants" button: The registered human resources specialist will first invite the person who is an expert in the field to be interviewed. He will then invite the applicant for an interview.

Click "Record" button: If necessary, the registered human resources specialist will record the interview with the permission of the applicant.

Click "Share Screen" button: If the applicant wishes, he/she will share his previous works and projects with an expert and registered human resources specialist.

Click "End interview" button: The registered human resources specialist will end the meeting after the interview with the applicant is complete.

3.13.3 Functional Requirements

REQ-41: The system should allow the human resources professional to start and end the interview.

REQ-42: The system should allow participants to use their camera and microphone.

3.14 Adding Applicants to the Applicant Pool

3.14.1 Description and Priority

The registered human resources specialist adds applicants whose interview results are negative but may still be suitable for the job. The registered human resources specialist should include only eligible applicants, not all applicants. This feature is medium priority.

3.14.2 Stimulus/Response Sequences

Click "View Participants" button: The registered human resources specialist will see the applicants who have logged into the system.

Click "Add to Applicant Pool" button: Even if the registered human resources specialist evaluates the applicant's interview negatively, he/she will add the applicant to the applicant pool.

3.14.3 Functional Requirements

REQ-43: The system should allow the human resources specialist to review the applicants.

REQ-44: The system should allow the human resources specialist to add the applicant to the pool.

3.15 Technical Exam Evaluation

3.15.1 Description and Priority

The expert in the field evaluates the technical test performed by the applicant. It gives points to the candidate according to the correctness of the questions made by the candidate. This feature is high priority.

3.15.2 Stimulus/Response Sequences

Click "Participants" button: Expert, the names of the participants who took the exams will be displayed.

Click "Assess" button: The expert will evaluate the exams for each participant individually. The expert will see the participant's responses by clicking the rate button next to each participant's name.

Click "Submit" button: After evaluating the questions, the expert will fill in the score entry, write down his feedback and complete and submit the applicant's evaluation.

3.15.3 Functional Requirements

REQ-45: The system should allow the expert to see the participants.

REQ-46: The system should allow the expert to access, evaluate and write the score for each participant's exam.

REQ-47: The system should email the participant that their exam has been evaluated, and the participant should be able to access the assessment from their profile.

3.16 Online Interview for Expert

3.16.1 Description and Priority

An expert in the field conducts an online interview with the candidate with the registered company official. The candidate is expected to answer the technical questions asked. This feature is high priority.

3.16.2 Stimulus/Response Sequences

Click "Accept Interview Invitation" button: The expert will accept the meeting invitation for the online meeting given by the registered human resources specialist.

Click "Share Screen" button: If an expert in the field wishes, some questions will be projected onto the screen.

Click "Take Notes" button: An expert in the field will use it to jot down the answers to the questions put to the applicant.

Click "Leave Interview" button: The expert will leave the meeting after meeting with the applicant.

3.16.3 Functional Requirements

REQ-48: The system should allow the expert to attend the online interview meeting.

REQ-49: The system should allow the expert to use his camera and microphone.

REQ-50: The system should allow the expert to take notes during the interview.

3.17 Test Creation and Setup for Expert

3.17.1 Description and Priority

Registered experts will determine the date and time of the liquid by preparing exam questions for the technical exam. This feature is high priority.

3.17.2 Stimulus/Response Sequences

Click "Prepare Interview" button: interview stages will be displayed.

Click " Exam" button: various templates for the exam will be displayed.

Click "Select Template" button: The user will select the template suitable for the subject.

Click " Set Date and Time" button: The user will assign a date and time for the exam s/he prepared. The user will receive feedback that the requested time and date has been created, if appropriate. If it is not suitable, s/he will receive feedback that it was not created and should choose another date.

Click "Create" button: Required fields are filled and the exam will be completed. Feedback will be received that the exam has been created.

Click "Send" button: The prepared exam will be sent to the applicant.

3.17.3 Functional Requirements

REQ-51 The system should allow the user to prepare the exam.

REQ-52 The system should allow the user to set the date and time.

REQ-53 The system will check the data for database constraints such as data length, data type and format.

REQ- 54 The system will display an error message if the data is incorrect.

3.18 Get Help

3.18.1 Description and Priority

Provides system users with information about the system. It leads to frequently asked questions. This feature is low priority.

3.18.2 Stimulus/Response Sequences

Click the "Help" button: Provides information for the questions asked to the user.

3.18.3 Functional Requirements

REQ-18: The system should help users to inform them.

4. External Interface Requirements

4.1 User Interfaces

Front-end software: React & JavaScript & HTML & CSS

Back-end software: MongoDB & Java Spring

The system will be designed with the dimension of usability in mind. User design and experience are important.

The operation performed in all interfaces is presented to the user as feedback. Warnings are given for errors.

4.1.1 Login Interface

In this interface, the username and password given by the company will be. When the applicant enters his/her information and presses the login button, s/he will login the system.

4.1.2 Test/Exam Interface

In this interface, after the candidate enters the system, he clicks on the button to enter the exam. Afterwards, the exam takes place through a stylish, test or 3rd party application according to the order and order determined by the company. Questions can switch back and forth between questions if they are not on a single page. S/He can delete the question he answered. If the company has set a time, there will be a time countdown on the interface, but the candidate can close it if s/he wants. At the end of the exam, s/he presses the submit button and the exam ends.

4.1.3 Result Display Interface

In this interface, when the applicant enters the system, s/he goes to the My Results panel. Here you can see the results of all the exams you have taken. If s/he wants, s/he can click on the exams and view the results separately.

4.1.4 Add New User Interface

In this interface, human resources determine the username and password for the candidates. The username comes from the connected database. Or it can be written manually if desired. Since the password is determined by the system including the personal information of the person, it will be sufficient to simply press the assign password button here. Then human resources specialist click the send button and this information is sent to the applicant's e-mail.

4.1.5 Arrangement Interview Interface

In this interface, registered human resources specialist selects which exams the candidate will take by clicking the checkbox. Changing the order between the selected ones can be done by dragging and dropping. S/He can remove what he does not choose by pressing a cross. You can undo your actions by pressing the back button. Then the confirm button is pressed and the content of the exam is determined.

4.1.6 Create an Exam Interface

In this interface, the create exam button is clicked and the exam creation panel appears. Then choose which exam to add. There are buttons to select the types of exam questions individually or as a whole. After pressing the create exam button, editing can be done by pressing the edit button. To set the date here, the date setting button is pressed and the time is selected from the calendar that appears on the screen. Then, a clock is selected to set the time. If desired, a single option can be selected if the time interval is desired.

4.1.7 Applicant Pool Interface

In this interface, the applicant pool button is clicked. Previously applied candidates are displayed. If desired, you can invite them to the interview by clicking the add button. Clicking on the applicants will show the detailed result. The same procedure is done here.

4.1.8 Online Interview Interface

In this interface, applicant can select and go by clicking on the My Interviews button. After pressing the confirm button for the camera and microphone, the interview is entered by pressing the enter interview button.

4.1.9 Get Help Interface

In this interface, by clicking the help button on this interface, you go to the page with information about the system.

4.2 Hardware Interfaces

This application works on devices with a web or mobile browser that supports CGI, HTML & CSS & JavaScript/React. No other hardware is required.

4.3 Software Interfaces

The system uses the PIC numbers API to validate PIC numbers during login, interview preparation, and interview execution. The database MongoDB is used. The communication between the database and the system is in the form of recording the prepared interview questions, the applicant's access to the questions, the recording of the applicant's answers, the access and evaluation of the answers by the person preparing the questions, the applicant's access to the evaluation of the questions and their scores. React will be used for frontend, web forms will be created. Java Spring will be used for the backend, it will be used to access the database, validate the input, display the results. Windows operating system will be used as it has the best support and is easy to use.

4.4 Communications Interfaces

The system supports all types of web browsers. The communication between the different parts of the system is important since they depend on each other. In the communication architecture, the client-server model must be followed. To communicate between the client and the server, a REST-compliant web service must be utilized, and it must be supplied over HTTP Secure (HTTPS).

5. Other Nonfunctional Requirements

5.1 Performance Requirements

5.1.1 Response Time

In the system, a large number of applicants take different exams simultaneously and some exams may have deadlines. Therefore, the response time of the system should be short and it should be able to give quick responses to the applicants.

5.1.2 System dependability

The system must have fault tolerance. Candidates should not have any problems when they return when the internet connection is lost.

5.1.3 Correct directions

If the system uses 3rd party applications or APIs, it should not lose performance while doing this.

5.2 Safety Requirements

Hazards will be identified to prevent extraordinary failures such as disk crashes, failures of critical software functions. Backups of databases will be made and stored on an hourly basis.

In cases where the database is damaged, the copy of the database backed up to the storage will be restored for the archive as a recovery method.

5.3 Security Requirements

Security systems, like many other applications, need database storage. However, the special requirements of the security market mean that vendors must choose their database partners carefully. This SRS's software system must adhere to industry-recommended software development methods. At the very least, while defining access-level needs for the software system and its associated services, software developers must follow the principle of least privilege. An automated dynamic application security testing tool must pass the production-release version of the software system.

5.3.1 Confidentiality

The user (company official) will register with the PIC number and each PIC number will be verified with the PIC number authorization. PIC numbers will be stored in the system database.

The user (applicant) will only log in to the system with the username and password given by the company.

Only registered adlView users can access it.

5.3.2 Accountability

Every account change will be recorded.

5.4 Software Quality Attributes

Availability: The interview must be available at the specified date and time as it gives the candidates the date and time for the interview meeting in advance.

Correctness: Since the candidates will be recruited according to the evaluations made at the end of the interview, the candidates' interview scores should be calculated correctly.

Usability: The interface should be easy to learn without a tutorial and it should ensure that the candidates conduct the interviews without errors.

Security: The system should stop malicious or unauthorized actions that could potentially destroy the system. In addition, the system should have the ability to protect candidates' data and protect information from unauthorized access.

6. Other Requirements

There is no other requirement.

Appendix A: Glossary

CGI: Computer Generated Imagery

HTML: Hypertext Markup Language

CSS: Cascading Style Sheets

PIC: Peripheral Interface Controller

API: Application Programming Interface

HTTP: Hypertext Transfer Protocol

REST: Representational State Transfer