

ONLINE APTITUDE TEST

TEAM MEMBERS GROUP 05:

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DAY 07 MONTH 01 YEAR 2024

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ACTUAL REQUIREMENTS

- **MANAGER:**

Input:

- Enter the details of the candidates appearing for the interview. Details to be maintained are Education details, Personal details, Work Experience
- Allocate the Username and Password for the candidates.
- Edit, update, add, save, delete the test Questions
- Filtering info such as Reports, passed Candidates, question types

Process:

- Handle saving Candidate, Questions
- Handle setting Candidate Usernames and Passwords
- Handling setting and saving Questions
- Generating Report based on user input filters

Output:

- View the list of all the candidates who are or have appeared along with the result (if achieved).

- View info of specific Candidates
- View report statistics. Report section must be added for viewing the generalised data which can be filtered by date, week or month.
- View info of Questions used in the Exam.

- **CANDIDATE:**

Input:

- Each candidate will have their login details provided to them by the Manager. These details must be entered in the candidate's login section.
- Clicking on the first Exam in the Dashboard
- Answering the Questions
- Submitting the Exam
- Logging out after finishing the Exam

Process:

- Calculate the Exam score
- Handle time limit for the Exams
- Handle validation to prevent Candidates from going back to finished Exams.
- If the candidate passes the test, then their names are transferred for the next (HR) round, their data transferring to a new table to be referred to by concerned persons
- Handle logout after finishing the test and showing Results.

Output:

- Viewing List of Exams
- Viewing List of Questions
- Viewing Results Page

REQUIREMENTS OF THE PROJECT

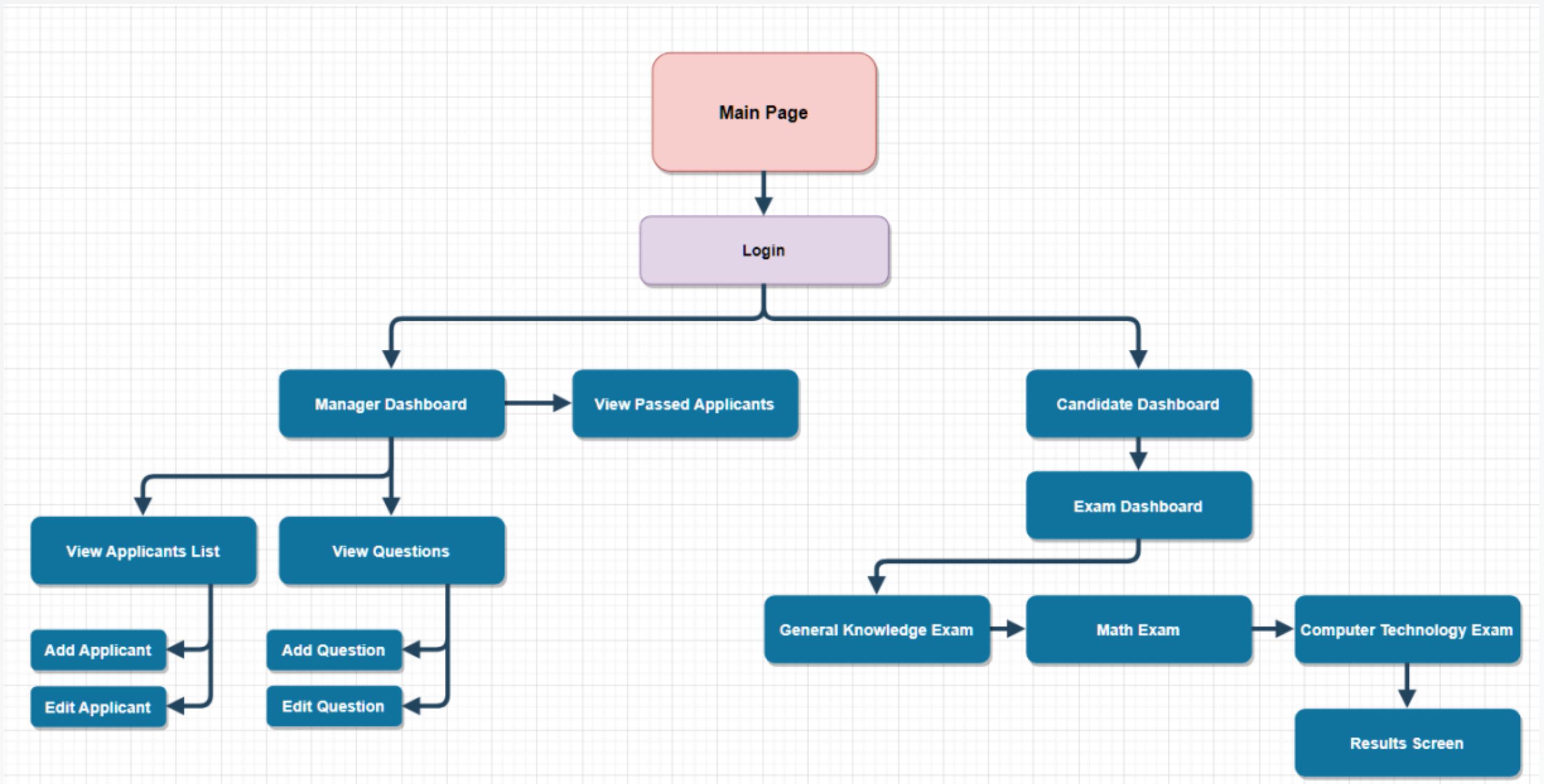
Page requirements:

- Main page (Login page)
- Applicant:
 - Dashboard
 - Exam page
 - Result page
 - Logout
- Manager:
 - Dashboard
 - View Applicant
 - Create/Edit Applicant
 - View Report
 - View Questions
 - Add/Edit Questions

1. Login page should contain 2 types of logins: one for Applicant, one for Manager.
2. Applicant dashboard should contain 3 links to exam, only first one is available and accessible.

3. Applicant exam should start at the scheduled time, containing 5 questions randomized from the Manager's question list and automatically submitted when time runs out, else they can choose to submit early and move on to the next Exam.
4. Results screen should show when they are done with all 3 Exams, calculating the total score from all the answered questions and pop-up "You have passed this round, next is the HR round" if the score is satisfactory. Then logout out of the session.
5. Manager dashboard should show all functions of the Manager such as: View Applicants, View Questions, Add/Edit Applicants, Add/Edit Questions, View Report.
6. View Applicants should show the list of Applicants, filterable by Name, other Details, or score if necessary. Allow Manager to click on Applicant to go into edit page or click on "Submit New Applicant" to go to Add Applicant page.
7. View Questions should show the list of Questions, Exam Type of question, links to Add and Edit / Delete Questions.
8. Add/Edit Applicants should show input boxes for all Applicant Details and a button to Save.
9. Add/Edit Questions should show input boxes for all Applicant Details and a button to Save.
10. Applicant and Manager navigation bar should show link to Logout

DEPLOYMENT DIAGRAM



TEST RESULT

1. HOME / LOGIN

WEBSTER

Corporation Exam Portal



TEST RESULT

2. APPLICANT EXAM DASHBOARD

LOGOUT

General Knowledge Exam

Mathematics Exam

Computer Technology Exam

START

TEST RESULT

3. EXAM DETAIL PAGE

Time Remaining: 02:49

General Knowledge LOGOUT

Question 1 : H₂O?

- nuoc
- bun
- cat
- da

Submit

TEST RESULT

4. RESULT

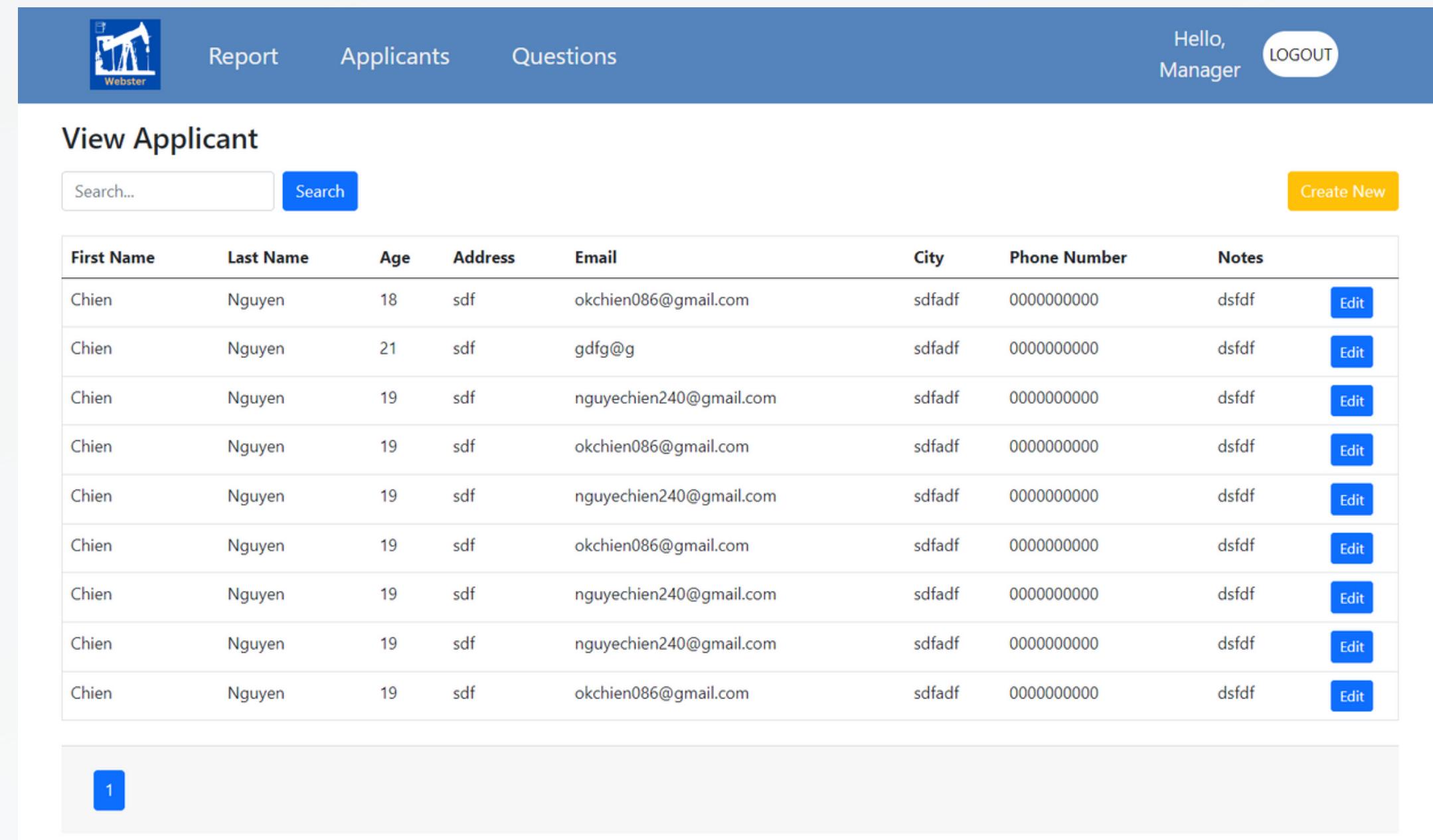
Exam Results

Exam	Score
General Knowledge	1 / 5
Mathematics	2 / 5
Computer Technology	1 / 5
Total Score	4 / 15

[LOGOUT](#)

TEST RESULT

5. VIEW APPLICANTS



The screenshot shows a web application interface for managing applicants. At the top, there is a blue header bar with the Webster logo, navigation links for Report, Applicants, and Questions, and a user session indicator for 'Hello, Manager' with a 'LOGOUT' button. Below the header, the main title 'View Applicant' is displayed, along with a search bar and a 'Create New' button. The central part of the page is a table listing nine applicant records. The columns are labeled: First Name, Last Name, Age, Address, Email, City, Phone Number, and Notes. Each row contains a set of placeholder data (e.g., Chien Nguyen, 18, sdf, etc.) and an 'Edit' button. At the bottom of the table, there is a small navigation element showing the number '1'.

First Name	Last Name	Age	Address	Email	City	Phone Number	Notes	Action
Chien	Nguyen	18	sdf	okchien086@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	21	sdf	gdfg@g	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	nguyechien240@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	okchien086@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	nguyechien240@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	okchien086@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	nguyechien240@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	nguyechien240@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>
Chien	Nguyen	19	sdf	okchien086@gmail.com	sdfadf	0000000000	dsfdf	<button>Edit</button>

TEST RESULT

6. VIEW QUESTIONS

Report Applicants Questions Hello, Manager LOGOUT

View Question

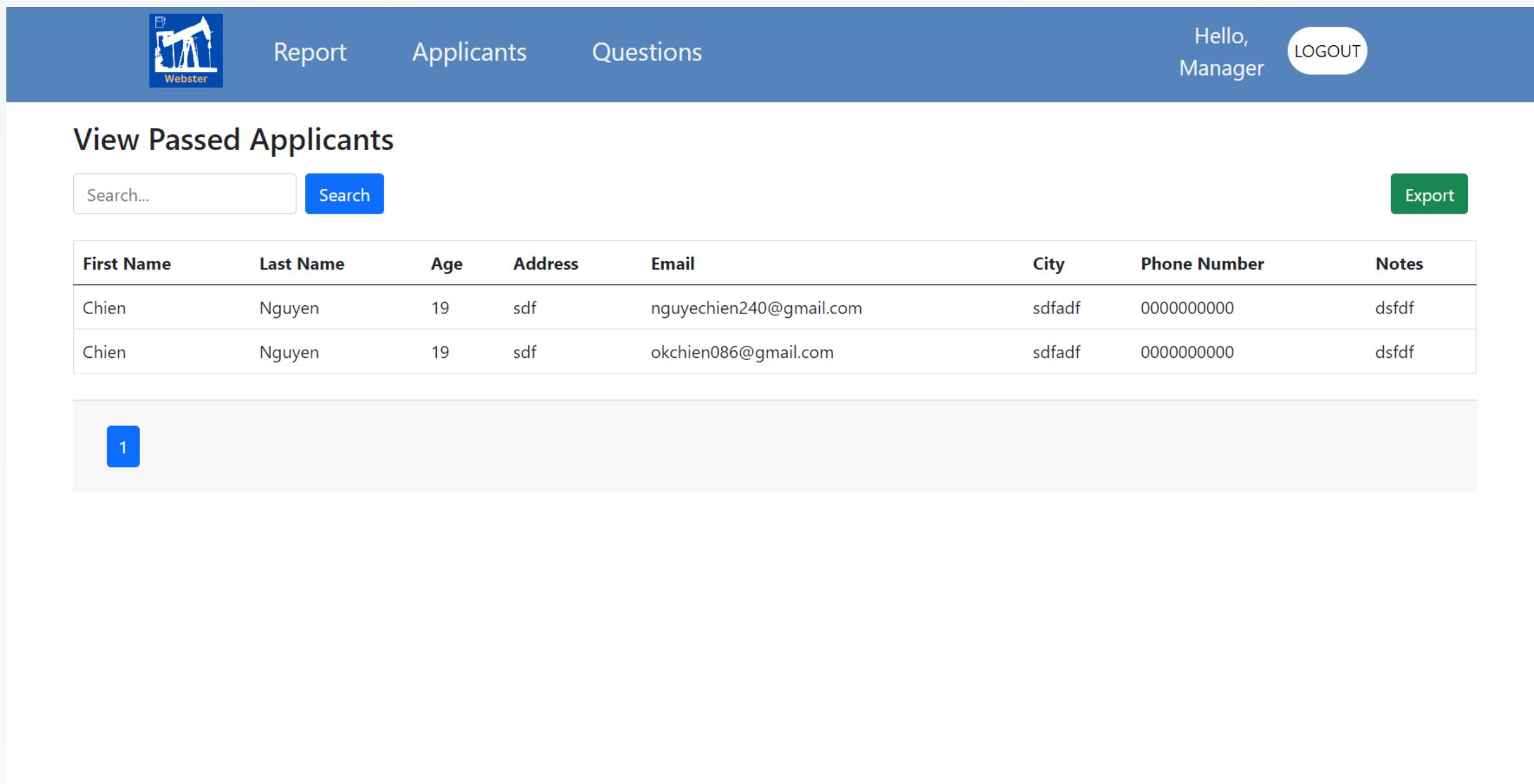
Search... Search Create New Question

ID	Question Text	Exam Type	Edit	Delete
12	What is 4+3?	General Knowledge	Edit	Delete
13	What is 3+5?	General Knowledge	Edit	Delete
14	What is 3+6?	General Knowledge	Edit	Delete
15	What is 5+5?	General Knowledge	Edit	Delete
17	What is cake?	Mathematics	Edit	Delete
18	What is candy?	Mathematics	Edit	Delete
19	What is fruit?	Mathematics	Edit	Delete
20	What is ice cream?	Mathematics	Edit	Delete
21	What is pizza?	Mathematics	Edit	Delete
23	What is PHO?	Mathematics	Edit	Delete

1 2 3 Next Last

TEST RESULT

6. VIEW REPORT



The screenshot shows a web application interface with a blue header bar. On the left is a logo featuring a stylized oil pump jack and the word "Webster". To the right of the logo are three navigation links: "Report", "Applicants", and "Questions". Further to the right is a greeting "Hello, Manager" and a "LOGOUT" button. Below the header, the main content area has a title "View Passed Applicants". It includes a search bar with a placeholder "Search..." and a "Search" button, along with a green "Export" button on the right. A table below the search bar displays two rows of applicant information. The columns are labeled: First Name, Last Name, Age, Address, Email, City, Phone Number, and Notes. The first row shows "Chien" as First Name, "Nguyen" as Last Name, "19" as Age, "sdf" as Address, "nguyechien240@gmail.com" as Email, "sdfadf" as City, "0000000000" as Phone Number, and "dsfdf" as Notes. The second row shows "Chien" as First Name, "Nguyen" as Last Name, "19" as Age, "sdf" as Address, "okchien086@gmail.com" as Email, "sdfadf" as City, "0000000000" as Phone Number, and "dsfdf" as Notes. At the bottom left of the table area is a small blue box containing the number "1".

First Name	Last Name	Age	Address	Email	City	Phone Number	Notes
Chien	Nguyen	19	sdf	nguyechien240@gmail.com	sdfadf	0000000000	dsfdf
Chien	Nguyen	19	sdf	okchien086@gmail.com	sdfadf	0000000000	dsfdf

TEST RESULT

7. ADD / EDIT APPLICANT

Report Applicants Questions Hello, Manager LOGOUT

Add Applicant

Submit

Applicant	Applicant Education	Applicant Companies
First Name <input type="text"/>	COENName <input type="text"/>	Company Name <input type="text"/>
Last Name <input type="text"/>	Description <input type="text"/>	Description <input type="text"/>
Age <input type="text"/>	Notes <input type="text"/>	Notes <input type="text"/>
Address <input type="text"/>	StartDate dd/mm/yyyy --:-- -- <input type="button" value="Calendar"/>	StartDate dd/mm/yyyy --:-- -- <input type="button" value="Calendar"/>
Email <input type="text"/>	EndDate dd/mm/yyyy --:-- -- <input type="button" value="Calendar"/>	EndDate dd/mm/yyyy --:-- -- <input type="button" value="Calendar"/>
City <input type="text"/>		
PhoneNumber <input type="text"/>		
Notes <input type="text"/>		
User Name <input type="text"/>		

TEST RESULT

8. ADD / EDIT QUESTION

Report Applicants Questions Hello, Manager LOGOUT

Add Question

Pick the exam type for this question

Question Text:

Answer A:

Answer B:

Answer C:

Answer D:

Correct Answer:

Submit

WEBSTER

GENERAL KNOWLEDGE MATHEMATICS COMPUTER TECHNOLOGY

Answer D

DEVELOPMENT

[Report](#)[Applicants](#)[Questions](#)

Hello,
Manager

[LOGOUT](#)

View Passed Applicants

SearchExport

First Name	Last Name	Age	Address	Email	City	Phone Number	Notes
Chien	Nguyen	19	sdf	nguyechien240@gmail.com	sdfadf	0000000000	dsfdf
Chien	Nguyen	19	sdf	okchien086@gmail.com	sdfadf	0000000000	dsfdf

1

Created Export to Excel functionality

CONCLUSION

Our Project has been successful thanks to the hard work and diligence of the team,
along with the guidance of our teacher, Le Thanh Nhan

TASK LIST

No	Member	Task	Subtask	Activity Plan	
				Status	
1	Võ Minh Tiến	DB	Create DbContext for Web App	OK	
2			Create Exam Questions model	OK	
3			Create Exam Page	OK	
4			Create random Answer sheet for every Exam type	OK	
5			Create timer for Exam	OK	
6		Session	Create Session handler to save Applicant data and check Completed Exam types	OK	
7			Create Question dashboard page	OK	
8		Applicants	Create Applicant models	OK	
9			Create Password hasher	OK	
10		Result	Create Result data import to Report page data	OK	
11			Create Export to Excel data in Report	OK	
12	Huỳnh Hữu Kha	Manager	Create Manager model	OK	
13			Create Manager login system	OK	
14			Create Manager Dashboard	OK	
15		Exam	Create Exam dashboard page	OK	
16			Create Exam cheating checker	OK	
17		Login	Create Login page	OK	
18			Create Login functionality	OK	
19		Applicants	Creating Applicant Dashboard	OK	
20			Create Applicant Add/Edit page	OK	
21		Main	Create nav-bar	OK	
22	Nguyễn Mạnh Chiến	Database	Create Exam models	OK	
23			Create ApplicantExam model	OK	
24		Questions	Create Question Dashboard	OK	
25			Create Add Questions page	OK	
26			Create Edit Questions page	OK	
27		Result	Create Result page	OK	
28			Create Result Calculator	OK	
29		Exam	Create Exam routing	OK	
30		Report	Create Report Page	OK	

THANK YOU