

College of Business Administration Management Information Systems Department

Web-Based Application

MIS 366 PROJECT

Section:38983

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Ghaida alotaibi	441201484
Shahad alolait	441201489

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Chapter 1(Introduction):

Project Type:

Build a website that offers guidance on resume formatting.

Overview of the Problem Domain:

For some job searchers, creating a professional resume may seem like a challenging and time-consuming process because of the numerous considerations they must make regarding formatting, alignment, styles, and other elements. So, the process is a little challenging. Given that life appears to be more technologically oriented, we made the decision to establish this website to assist individuals who don't have the time or expertise to create their own résumés professionally. It will be as straightforward and user-friendly as feasible.

Course of life maker is a resume-building software that promises to give you a brief, straightforward, and well-formatted resume that will help you professionally market yourself, so you get employed as quickly as possible.

Project Scope

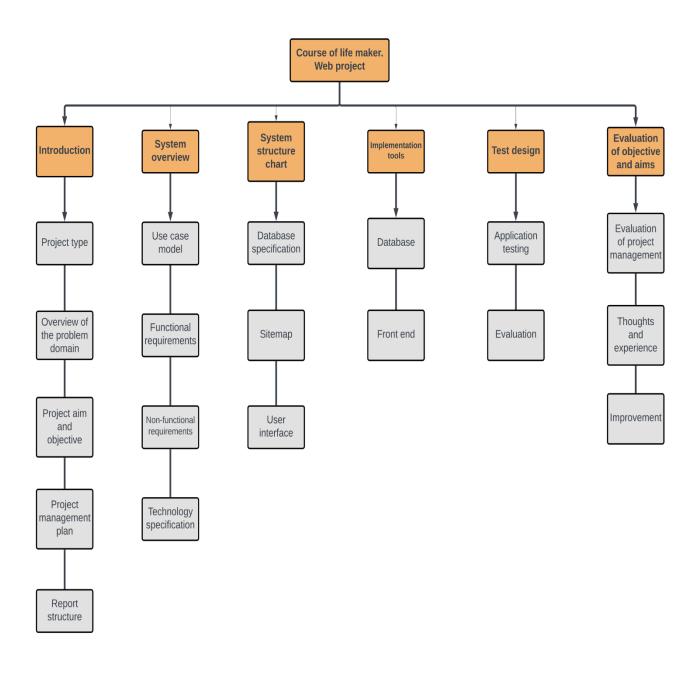
All Saudi Arabian job searchers, both men and women, who are looking for a professional resume, particularly fresh graduates, and students, will find assistance on our website. Moreover, the website will only support English language.

Project Aim and Objectives:

- Help users learn everything they need to know about resumes, including what to include and how to build one, so they can land the job of their desire.
- Quick, structured, and high-quality service while reducing effort and time spent.
- offering simple and easy tools to create a professional looking resume.

Project Management Plan:

Work Breakdown Structure:

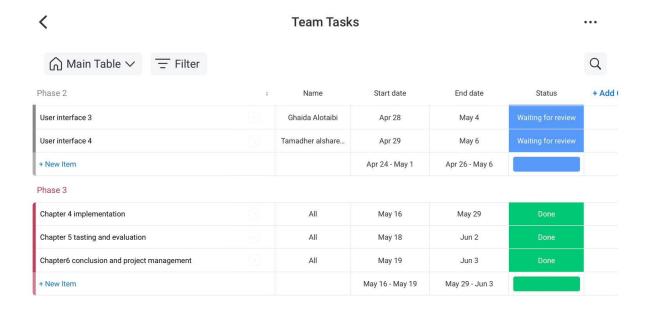


Activity and Task List:

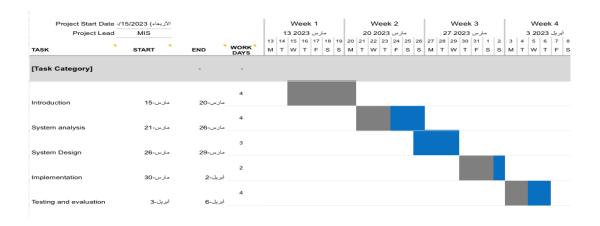
Course of life maker	Name	Start date	End date	Status
Project type	Deema Alajlan	Apr 3	Apr 5	Waiting for review
Overview of the Problem Domain	Deema alajlan	Apr 2	Apr 5	Waiting for review
Project Aim and Objectives	Deema alajlan	Apr 3	Apr 6	Waiting for review
Work Breakdown Structure	Nouf alghamlas	Apr 3	Apr 6	Waiting for review
Activity and Task List	Shahad alolait	Apr 3	Apr 6	Waiting for review
Gantt Charts	Shahad alolait	Apr 6	Apr 8	Waiting for review
Report Structure	Nouf alghamlas	Apr 3	Apr 6	Waiting for review
System Overview	Tamadher alshare	Apr 3	Apr 5	Waiting for review
Use Case Model	Tamadher alshare	Apr 4	Apr 6	Waiting for review
Functional Requirements: describe the high-level functionality of	Ghaida alotaibi	Apr 4	Apr 7	Waiting for review
Non-Functional Requirements (list and describes)	Fatimah Almutairy	Apr 3	Apr 5	Waiting for review
Technology Specification	Fatimah Almutairy	Apr 5	Apr 7	Waiting for review

Course of life maker	Name	Start date	End date	Status	4
Use Case Model	Tamadher alshare	Apr 4	Apr 6	Waiting for review	
Functional Requirements: describe the high-level functionality of	Ghaida Alotaibi	Apr 4	Apr 7	Waiting for review	
Non-Functional Requirements (list and describes)	Fatima almutari	Apr 3	Apr 5	Waiting for review	
Technology Specification	Fatima almutari	Apr 5	Apr 7	Waiting for review	

Phase 2	Name	Start date	End date	Status
System Structure Chart	Deema alajlan	Apr 24	Apr 26	Waiting for review
Entity Relationship Diagram	Deema alajlan	Apr 26	Apr 30	Waiting for review
Normalization of Tables	Nouf alghamlas	Apr 25	Apr 29	Waiting for review
Tables and their Attributes	Nouf alghamlas	Apr 25	May 3	Waiting for review
Sitemap	Nouf alghamlas	May 1	May 5	Waiting for review
User Interface 1	Fatima almutari	Apr 26	May 6	Waiting for review
User interface 2	Shahad alolait	Apr 28	May 3	Waiting for review
User interface 3	Ghaida Alotaibi	Apr 28	May 4	Waiting for review-
User interface 4	Tamadher alshare	Apr 29	May 6	Waiting for review



Gantt Charts:



Report Structure:

The report includes 6 chapters:

The first chapter is an Introduction includes Project type, Overview of the Problem Domain, Project Aim and Objectives, Project Management Plan, and Report Structure.

The second chapter is a Requirements Analysis include System Overview, Use Case Model, Functional Requirements, non-functional Requirements, and Technology Specification.

The third chapter is System Design which includes System Structure Chart, Database Specifications, sitemap, and user interface.

The fourth Chapter is the Implementation which include implementation Tools, database, and front end.

The fifth chapter is a Testing and Evaluation which includes test Design, application Testing, integration testing and system Testing.

The sixth chapter is the conclusion and project management include Evaluation of Objectives and Aims, Evaluation of Project Management, Thoughts and Experience, and Improvements.

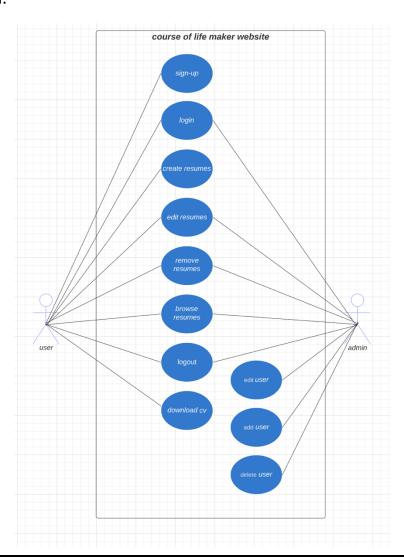
Chapter 2 (Requirements Analysis)

System Overview:

Course of life maker is an online resume builder. Includes The websites administrator and the user, The website's administrator may add, delete, or update users, and read and delete résumés. User first registers and creates an account. Upon login, the user fills out a form with questions from all required

sections, such as personal inquiries, educational, employment experiences, courses, talents, and so on. After completing the form, the data will be saved in a database and a well-formatted résumé will be prepared based on the information entered. The user may create, remove, view, and modify résumés. Furthermore, the user may select whether they want to download the résumé in PDF or Word format.

Use Case Model:



Functional Requirements: describe the high-level functionality of the system (High Pre-Condition/Post-Condition/ Description)

User requirements:

1. Sign-up

Criticality: High.

Pre-condition: In order to register, the user must enter accurate information on the registration

page.

Post-condition: The user has registered and has his/her own account.

Description: It is necessary to register with the system in order to create an account.

Log in

2. Criticality: moderate

Pre-condition: The user needs to be signed up and have an account.

Post-condition: The user logged into the system

Description: The user must enter a valid email address and password in order to log in.

3. Create resumes

Criticality: High

Pre-condition: To create resume, the user need to log into the system and click create resume.

Post-condition: On the system, resumes and their information will display and be created. Description: The ability of users to produce resumes is the primary purpose of this website.

4. Edit resumes

Criticality: Moderate

Pre-Condition: the user has a previous resume and must log in to the system.

Post-Condition: edit the resume information.

Description: A user must have an account, a previous resume to modify, and then save the

changes made in order to edit resumes.

5. Remove resumes

Criticality: Moderate

Pre-condition: The user must be logged in and have previously created a resume.

Post-condition: the resume is removed.

Description: user is able to remove resume.

6. Browse resumes

Criticality: moderate

Pre-condition: The user has to be logged in and have a resume made

Before.

Post-condition: user viewed created resume.

Description: the user can browse any resume he\she created any time.

7. Logout

Criticality: moderate

Pre-condition: The user must already be logged in and have an account.

Post-condition: The user logged out the system.

Description: To login again at a later time, the user must save both his or her valid email address

and password.

8. download CV.

Criticality: Moderate

Pre-condition: The user must have made a CV.

Post-condition: the cv is downloaded.

Description: user is able to download the CV

Admin requirements:

1. Log in:

Criticality: High

Pre-condition: The admin needs to be signed up and have an account.

Post-condition: The admin logged into the system.

Description: The admin must enter a valid email address and password in order to log in.

2. edit user

Criticality: moderate

Pre-condition: the admin must be signed in, and the user is added before

Post-condition: the user's information is edited.

Description: The administrator can modify a user's email or password.

3. Add user

Criticality: High

Pre-condition: The administrator needs to be logged in and have permission to add users.

Post-condition: new users added to the website

Description: the admin can add users who registered in website

4. Delete user

Criticality: Moderate

Pre-condition: the admin must be signed in, and the user is added before

Post-condition: The user's account has been deleted.

Description: the admin can remove users who decided to delete their account

5. Edit resumes

Criticality: Moderate

Pre-Condition: the admin has to login into the system and user has a previous resume.

Post-Condition: Edit the information on your resume.

Description: the admin can edit any information and any resume that was created by user.

6. Remove resumes

Criticality: Moderate

Pre-condition: The admin must be signed in and user has created resume before.

Post-condition: The resume is taken down.

Description: A resume can be deleted by the admin.

7.Browse resumes

Criticality: High

Pre-condition: the admin must be signed in

Post-condition: Every created resume is visible to the admin.

Description: The admin can view the created resumes.

8.Logout

Criticality: moderate

Pre-condition: The admin must already be logged in and have an account.

Post-condition: The admin logged out the system.

Description: To login again at a later time, the admin must save both his or her valid email

address and password.

Non-Functional Requirements (list and describes):

2.4.1: Availability:

The website should be available 7/24.

2.4.2: Performance

The website should support a hundred of user's request at the same time with a quick response not exceed four seconds.

2.4.3: Usability:

Website should have a clear and simple interface that users can use easily.

2.4.4: Portability

Website can work effectively on different operating system (Windows, Mac) and browsers (Microsoft edge, Google Chrome, etc.).

2.4.5: Scalability:

Website must be scalable enough to support more than one thousand visits at the same time while maintaining optimal performance.

2.5.6: Security

The website will ensure the privacy and security of user's information at any condition.

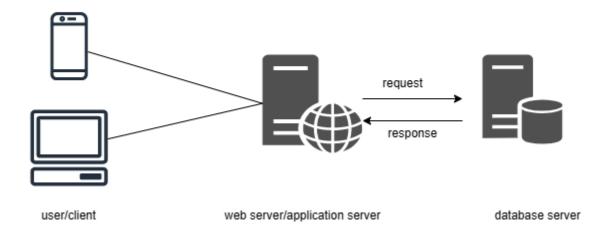
Technology Specification:

- 1- HTML
- 2-CSS
- 3-ASP.NET and #C
- 4-SQL

Chapter 3 (system design)

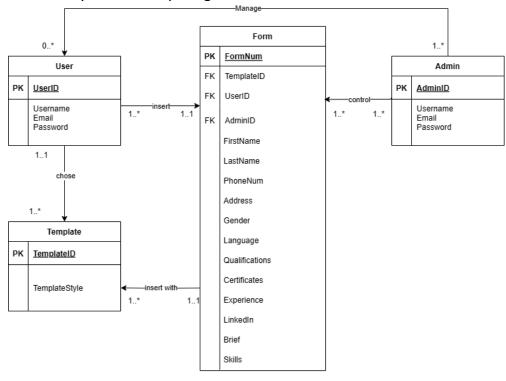
system structure chart:

PRESNTATION TIER APPLICATION TIER DATA TIER



database specifications:

3.3.1 Entity Relationship Diagram:



3.3.2 Normalization of tables:

User:

<u>UserID</u> usernar	me Email	Password
-----------------------	----------	----------

Admin:

<u>adminID</u> username	Email	Password
-------------------------	-------	----------

Template:

<u>TemplateID</u> TemplateStyle	<u>TemplateID</u>	TemplateStyle
---------------------------------	-------------------	---------------

Form:

<u>FormNum</u>	TemplateID	UserID	AdminID
FirstName	LastName	PhoneNum	Address
Gender	Language	Qualifications	Certification
Experience	LinkedIn	Brief	Skills

3.3.3 Tables and their attributes:

Form

FormNum TemplateID UserID AdminID FirstName LastName PhoneNum Address Gender Language Qualifications Certification Experience LinkedIn Brief Skills

Admin

AdminID UserName Email Password

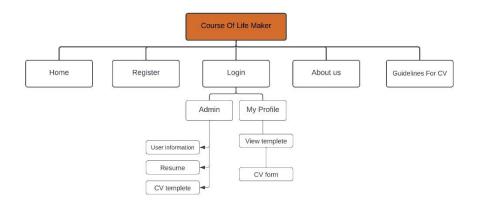
User

UserID UserName Email Password

Template

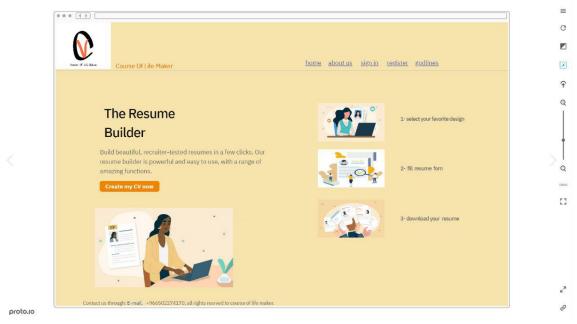
TemplateID TemplateStyle

Sitemap:

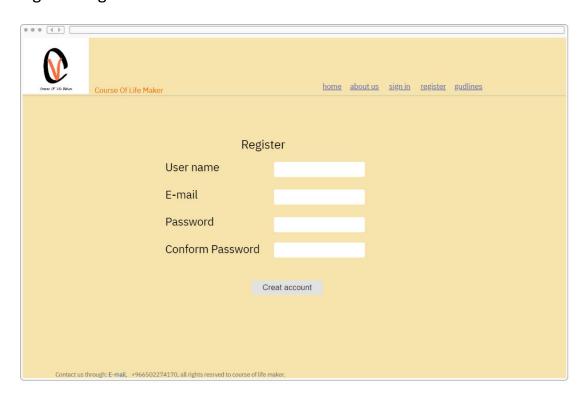


User Interface:

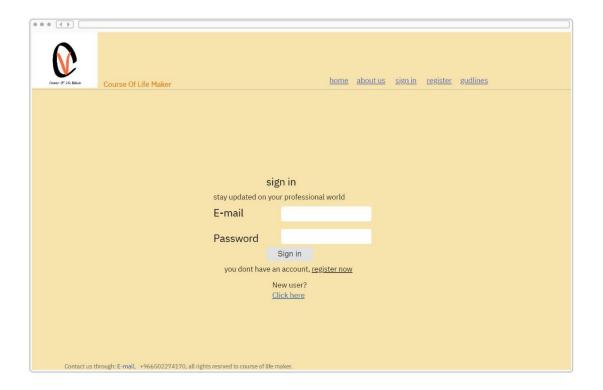
Home Page:



Register Page:



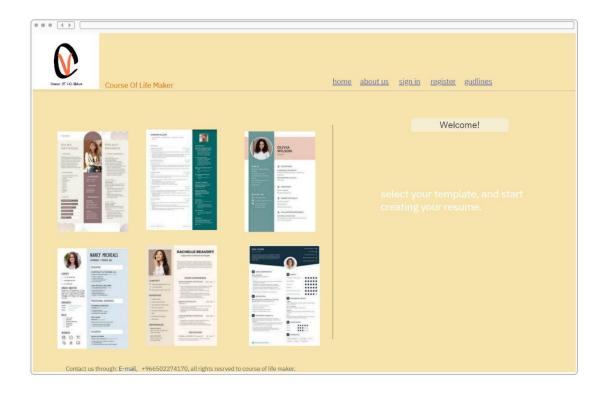
Login page:



About us Page:



View Templates Page:



My profile page:



Admin Page:



User Information Page:



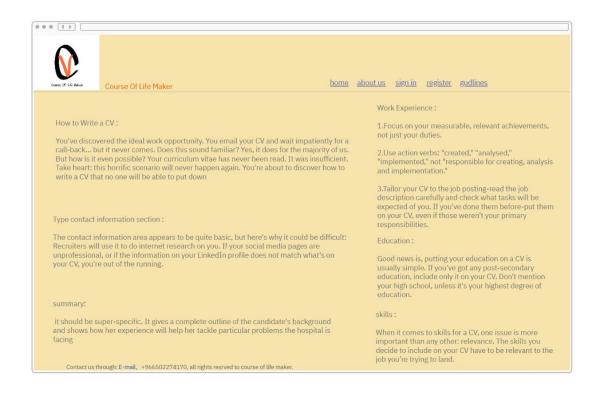
CV Templates Page:



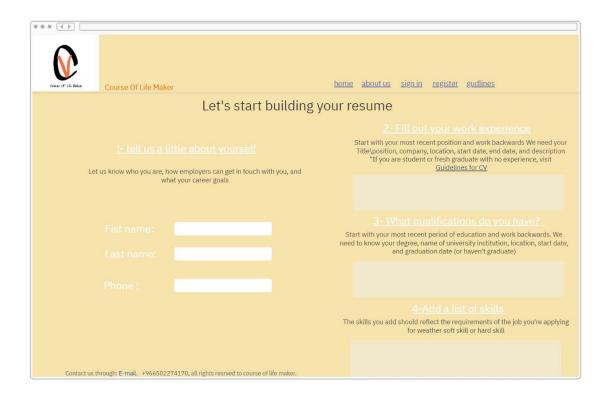
Resume Page:



CV guidelines Page:



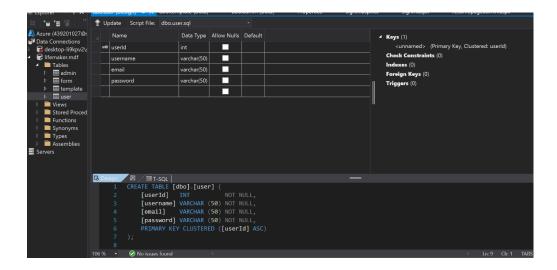
CV form Page:



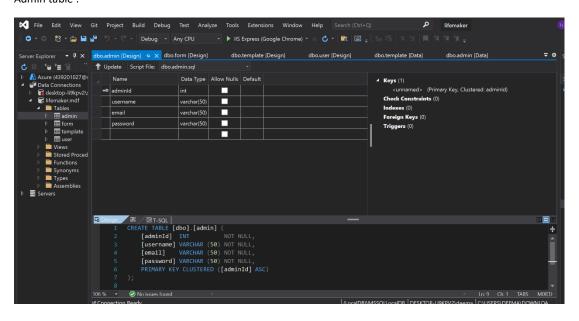
Chapter 4: Implementation

- 4.1 implementation tools
- 4.2 Database
- 4.2.1 Development

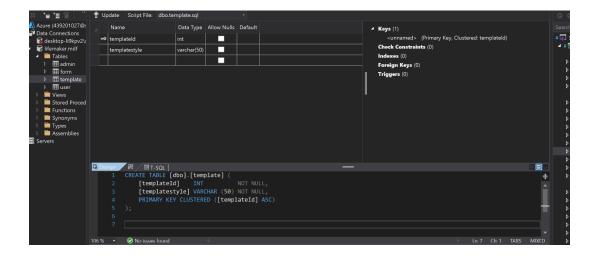
Users Table:



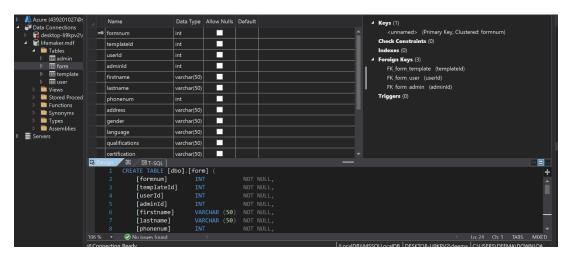
Admin table :



Template table:



Form table:



4.2.2 Connection



4.3 Front end

4.3.1 User Control Panel

Home page



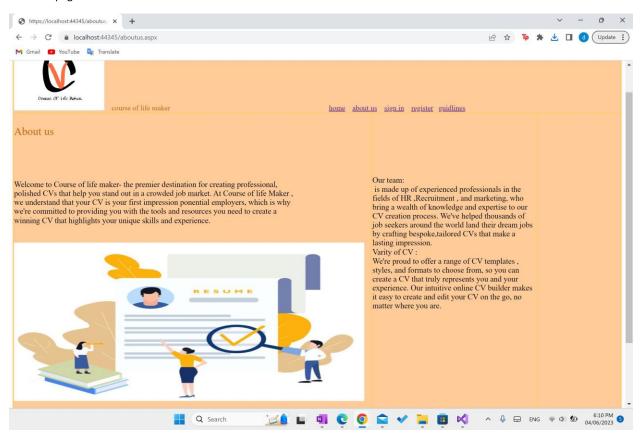
Register page



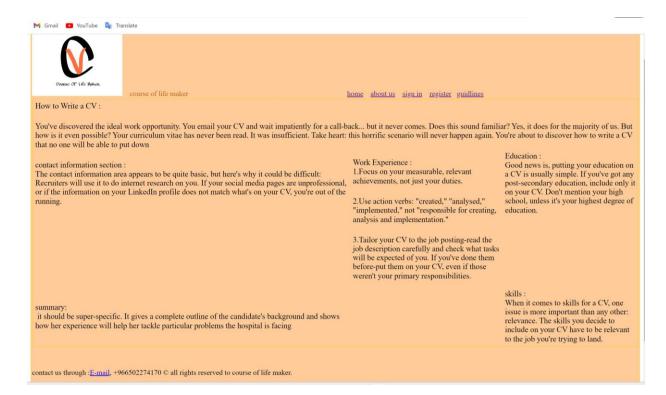
Login page



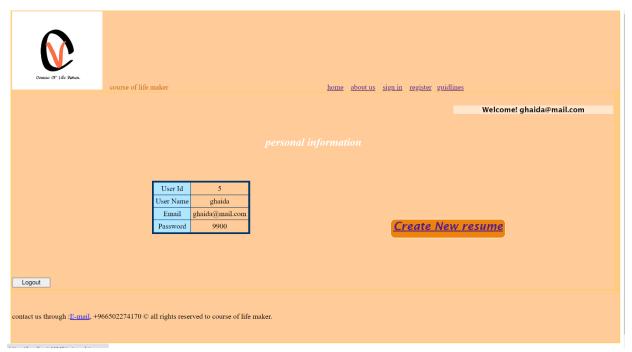
About us page



Guidelines for CV page



My profile page



View templates page



CV Form page



4.3.2 Administrator Control Panel

Admin page



User information page



Resumes page



Chapter5: Testing and Evaluation

5.1 Test Design

This is our master page including a logo, header and footer with contact us information



5.2 Application Testing

5.2.1 Unit Testing

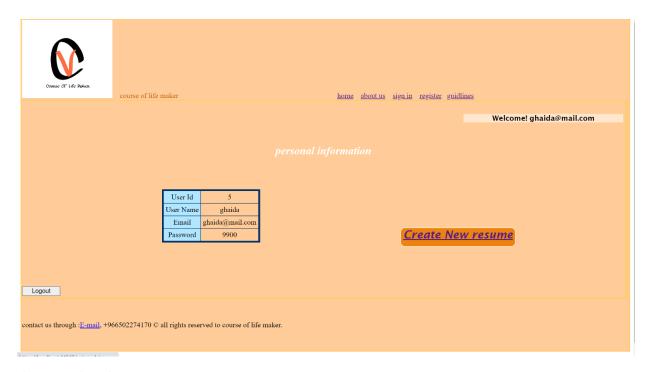
Here we tried to put invalid email address which lead to login fail



The picture below shows the validation of password . user tried to sign in without entering the password which lead to showing the required label .



This picture shows a successful log in process.



The picture shows how user can register .



Once the user/admin press the log out button they get redirected to the home page



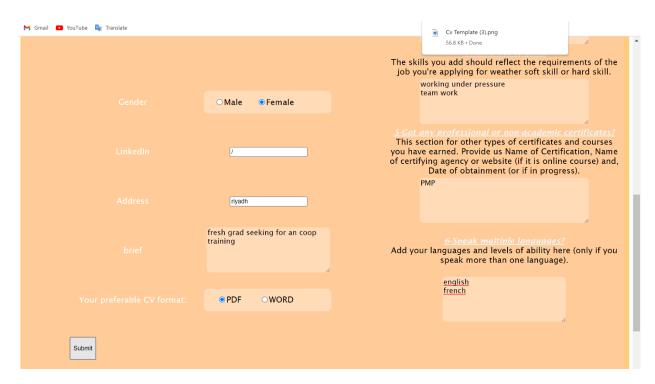
The user gets to choose the template they want to fill



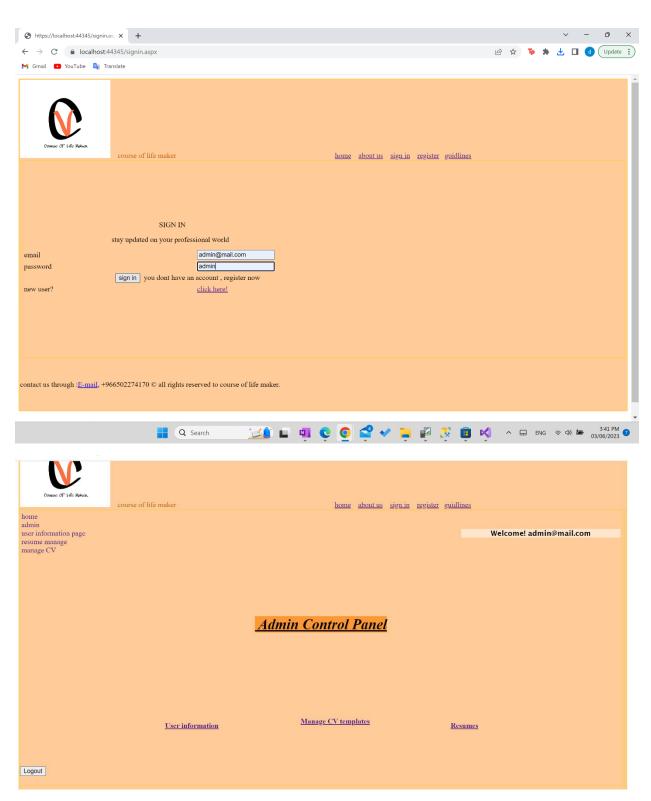
The picture show the form that the user needs to fill in order to get their resume

1-Tell us a little about yourself Let us know who you are, how employers can get in touch with you, and what your career goals			*If you are student or fresh graduate with no experience, visit <u>Guidelines for CV</u>
		ghaida	part time job in IT company
		alotaibi	3-What qualifications do you have? Start with your most recent period of education and work backwards. We need to know your degree, name of university\institution, location, start date, and graduation date (or haven't graduate)
		0555411716	diploma in HR bachelors in MIS
			4-Add a list of skills The skills you add should reflect the requirements of the job you're applying for weather soft skill or hard skill.
		○Male	working under pressure team work
		1	5-Got any professional or non-academic certificates? This section for other types of certificates and courses you have earned. Provide us Name of Certification, Name

The last step the user got to submit and download their resume successfully



Below we will show the admin control panel



The admin can edit and delete users information from the user information label



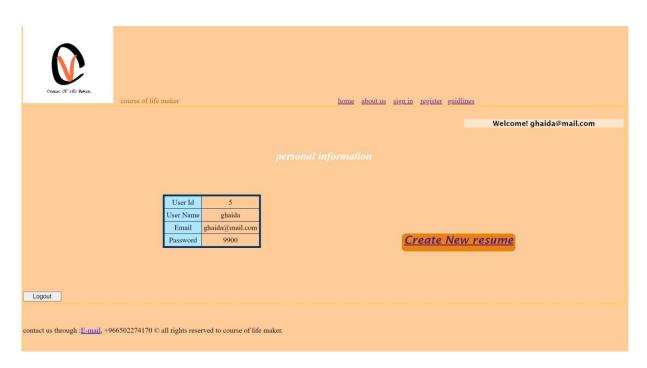
The admin gets to view all the users resume information



5.2.2 Integration Test

The information that the user entered from the form table successfully was integrated to the admin users resumes page







5.2.3 System Testing

Our system is generally operating smoothly, including the design. The system's features, such as database connection with forms and detail views, barring regular users from being diverted to admin pages and vice versa, login validation, reviewing personal information, and downloading new templates, are all fully functional.

5.3 Evaluation

Criteria	Achieved	Failed
Clear and easy to understand contents	Yes	No
Simple page navigations	Yes	No
Clear and easy to use interface	Yes	No
Effective and efficient function	Yes	No
Easy to run system	yes	No

Chapter6: Conclusion and Project

6.1 Evaluation of Objectives and Aims

Our website has successfully achieved its objectives, the functions are going correctly and well and the most important of our aim which is you no longer have to worry about how to create and format a

professional resume for your job application. Our website will guide you through the process, step-by-step.

6.2 Evaluation of Project Management

regarding the project management honestly, we were aspiring to better time management to avoid the pressure. in fact, all the group members done their responsibilities very well however we have faced some problems in the last phase. Since one of our team members drop the course so the tasks for each member increased and we had to reassign responsibilities. Also, we have some issues regarding SQL data source and sessions. In addition to that, we wished that we would have more time to add more features such as enabling users to display their resumes as PDF file and download it. But at the end we are proud and satisfied of what we have done in our website.

6.3 Thoughts and Experience

This project was a great experience to apply what we have learned through MIS366 course. We learn many skills such as searching about errors in codes and describing the error precisely, many CSS properties such as filters, gradient colors and more. Also, we learn how to use sessions effectively, how to use and customize data controls such grid view, detail view, and list view. finally, we learn some JavaScript codes to show messages or confirmation.

6.4 Improvements

This is the first version of our website, and we aspire in the future to develop new features that enhance the user experience such as: 1- supporting other languages 2- Enabling the user to obtain the CV immediately via the website and allowing sharing. 3- developing our design to fit the screens of tablets and phones. 4- Adding other services that serve job seekers, such as writing cover letter and jobs application emails.

References

https://www.lucidchart.com/

https://novoresume.com/career-blog/resume-advice-for-students-with-noexperience

https://www.youtube.com/watch?v=dWeZhiapOAE&t=262s

https://www.youtube.com/watch?v=bvEZfKyukUw

https://www.youtube.com/watch?v=pvma3fe JII&t=2s

https://www.youtube.com/watch?v=SdzpXYIL884&t=578s

Appendix

Indication of the work conducted on this deliverable by each member of Group.

Deema Alajlan	Introduction , system structure chart , entity relationship diagram
Fatima Almutairi	Non-Functional requirements , user interface , technology specification
Nouf Alghomlas	Work breakdown structure , report structure , database specification
Ghaida Alotaibi	Functional requirements , user interface
Shahad Alolait	User interface , project management plan

The work on visual studio was all team work through meeting in the campus or through zoom.

Minutes of Group Meeting: 1

Date & time of meeting:
30MAR, 5:00pm
Place of meeting:
ZOOM Meating
Group members present: all.

Group members absent but who explained their absence before the meeting (list given reason(s) for absence against each name): -

Name of chairperson for this meeting:

Fatimah Almutairy

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Name of secretary for this meeting:

Where individual responsibilities have not yet been fulfilled within the agreed timescale, list (for each responsibility) the reasons given:-

New matters discussed:

Next phase

List all actions requiring attention (i.e. those uncompleted actions from the previous meeting and all actions agreed at the present meeting), the agreed timescale for completion of each one and who is responsible for each one (including setting an agenda for the <u>next</u> meeting and writing the minutes of the <u>present</u> meeting). *Uncompleted actions from the previous meeting should be the first on this list*:

every member has one week to complete the task with regular guidance by second phase.

Record here the agreed date, time and place of next formal meeting: Next week.

Minutes of Group Meeting: 2

Date & time of meeting:
5APR, 7:00pm
Place of meeting:
ZOOM Meating
Group members present: all.
Group members absent but who explained their absence before the meeting (list given reason(s) for absence against each name): -
Name of chairperson for <u>this</u> meeting:
Fatimah Almutairy
Name of secretary for <u>this</u> meeting:
Are the minutes of the <u>previous</u> meeting agreed as a correct record (after correction of matters of fact)?
yes
List any corrections of matters of fact here:
Review of all actions agreed at previous meeting and how far individual responsibilities have been fulfilled:
everyone did his task

Where individual responsibilities have not yet been fulfilled within the agreed timescale, list (for each responsibility) the reasons given:-

New matters discussed:

Next phase

List all actions requiring attention (i.e. those uncompleted actions from the previous meeting and all actions agreed at the present meeting), the agreed timescale for completion of each one and who is responsible for each one (including setting an agenda for the <u>next</u> meeting and writing the minutes of the <u>present</u> meeting). *Uncompleted actions from the previous meeting should be the first on this list*:

every member has one week to complete the task with regular guidance by second phase.

Record here the agreed date, time and place of next formal meeting: Next week.

Minutes of Group Meeting: 3

Date & time of meeting:
12APR, 3:00 pm
Place of meeting:
ZOOM Meating
Group members present: all
Group members absent but who explained their absence before the meeting (list given reason(s) for absence against each name): -
Name of chairperson for <u>this</u> meeting:
Nouf alghamlas
Name of secretary for <u>this</u> meeting:
Are the minutes of the <u>previous</u> meeting agreed as a correct record (after correction of matters of fact)?
yes
List any corrections of matters of fact here:
Review of all actions agreed at previous meeting and how far individual responsibilities have been fulfilled:
everyone did his task.

Where individual responsibilities have not yet been fulfilled within the agreed timescale, list (for each responsibility) the reasons given:-

New matters discussed:

Next phase

List all actions requiring attention (i.e. those uncompleted actions from the previous meeting and all actions agreed at the present meeting), the agreed timescale for completion of each one and who is responsible for each one (including setting an agenda for the <u>next</u> meeting and writing the minutes of the <u>present</u> meeting). *Uncompleted actions from the previous meeting should be the first on this list*:

every member has one week to complete the task with regular guidance by second phase.

Record here the agreed date, time and place of next formal meeting: Next day.

Minutes of Group Meeting: 4

Date & time of meeting:
13APR, 5:00 pm
Place of meeting:
ZOOM Meating
Group members present: all
Group members absent but who explained their absence before the meeting (list given reason(s) for absence against each name): -
Name of chairperson for <u>this</u> meeting:
Nouf alghamlas
Name of secretary for <u>this</u> meeting:
Are the minutes of the <u>previous</u> meeting agreed as a correct record (after correction of matters of fact)?
yes
List any corrections of matters of fact here:
Review of all actions agreed at previous meeting and how far individual responsibilities have been fulfilled:
everyone did his task.

Where individual responsibilities have not yet been fulfilled within the agreed timescale, list (for each responsibility) the reasons given:-
New matters discussed:
New Matters discussed:
Next phase and final edits
List all actions requiring attention (i.e. those uncompleted actions from the previous meeting and all actions agreed at the present meeting), the agreed timescale for completion of each one and who is responsible for each one (<u>including</u> setting an agenda for the <u>next</u> meeting and writing the minutes of the <u>present</u> meeting). <i>Uncompleted actions from the previous meeting should be the first on this list</i> :
every member has one week to complete the task with regular guidance by second
phase.
This was our last meeting regarding this project.