

Internship Completion Certificate

Date:07/04/2021

To whom it may concern:

Webworx certifies that Ms. Revati Sanjay Pawar successfully completed the internship program from 1 February 2021 to 24th June 2021 at our organization.

During this time, Revati was assigned Software Development and WordPress Development tasks and performed the following assignments: **Clutch and care UI, DocGen, HR CRM**

- Write well designed, testable, efficient code by using best software development practices
- Create website layout/user interface by using standard HTML/CSS practices
- Integrate data from various back-end services and databases
- Gather and refine specifications and requirements based on technical needs
- Create and maintain software documentation
- Be responsible for maintaining, expanding, and scaling our site
- Stay plugged into emerging technologies/industry trends and apply them into operations and activities
- Cooperate with web designers to match visual design intent

Revati displayed professional traits during her internship period and managed to complete all the assigned tasks as requested. She was hardworking, dedicated and committed. It was a pleasure having her with us in this short period.

Sincerely,

Purva Keskar

Admin & HR Head



**Progressive Education Society's
Modern College of Arts, Science & Commerce
Shivajinagar, Pune – 411005**

Certificate

This is to certify that Mr./Miss Revati Sanjay Pawar. Seat number **42836** of Class M.Sc. (Computer Science) SEM-IV has completed his/her Industrial Training/Institutional Project Work entitled **Webworx's DocGen**, as a part of curriculum, during the Academic Year 2020-2021.

Date :

Head,
Dept of Computer Science

Examiner Names and Signature :

1) _____ (IT Expert)

2) _____ (External Examiner)

3) _____ (Internal Examiner)

Date of Examination :

Industrial Project Calendar

Month	Week	Particulars	Remark
February-2021	I	Revised HTML, CSS, and PHP Concepts.	
	II	Did Assignments.	
	III	Did Assignments.	
	IV	Revised Jquery, JavaScript Concepts.	
	V	Did Assignments.	
March-2021	I	Created Admin Panel using Bootstrap 4, HTML, CSS and JavaScript.	
	II	Created Registration Forms with email functionality using Bootstrap 4, HTML, CSS, JavaScript, and Jquery.	
	III	CodeGen Project work. Created forms using Bootstrap 4, HTML, CSS, JavaScript, and Jquery.	
	IV	Created CodGen CURD Operations for fetching records from database using PHP and PDO.	
	V	Designed CodGen Screens.	
April - 2021	I	CodeGen Project work.	
	II	Designed Mobile Responsive Screens for Clutch & Care Project	
	III	Designed Screens for Clutch & Care Project	

	IV	CodeGen Project work.	
	V		
May-2021	I	DocGen Project Work. Designed Dashboard and other Screens using Bootstrap 4, Jquery, HTML, CSS, JavaScript, and Ajax.	
	II	Created forms and designed database.	
	III	Created Rest API's for employee details.	
	IV	Created functions and class files for generating pdf using Pdf library.	
	V	Created functions and class files for generating pdf using MPdf library.	
June-2021	I	HR-CRM Project Work . Designed database then model forms using HTML, CSS, Javascript, Ajax, and Jquery for edit records , and other stuff.	
	II	Created Rest API's for generating PDF documents.	
	III	Created Rest Api's for document Contents.	
	IV	Designed forms for Trackacc.co.uk	
	V		

Acknowledgement

It has been a great opportunity to gain a lot of experience in real time project, followed by knowledge of actually implementing various ideas in the project and testing them. It helped us to understand and deal with the real time problems that are incurred during the working of a project.

We want to thank all the people who helped us and would like to extend a special gratitude to our **HOD, Prof. Shamkant Deshmukh Sir** and our **project guide, Prof. Trupti Gohad ma'am** for their patience and guidance through out the semester.

At last we would like to thank all those people who understood and appreciated the aim of the project and encouraged us to further keep developing such project.

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Introduction

In every field, it's important to minimize as much risk as possible. Documentation is a great tool in protecting against lawsuits and complaints. Documentation help ensure consent and expectations. It helps to tell the narrative for decisions made, and how yourself or the client responded to different situations.

Document Generation is the process of automatically creating documents based on rules. Document Generator is useful when multiple documents need to be generated and each document contains a mixture of: Static content – the parts that remains the same in each document.

“Webworx’s DocGen” is a web application which generates documents and covert them into PDF format. For example Internship offer letters, Appointment letters, etc.

Problem Definition

The whole work of Webworx's document generation is being done manually. That is, the documents are written or typed manually for each and every time when it is needed. So it is very lengthy and time consuming process to type similar documents each and every time.

For example if we have hired 10 new interns and we want to send them Internship offer letter, so in this case we need to type 10 separate Internship offer letters manually for each of them though the format and most of the content is same and even if we do copy pasting except their name, class, and other few details. Similarly in case of other documents as well like, Appointment letter, Internship completion letter, etc.

Second thing Employee details i.e. while creating particular document for that particular employee or candidate we need to ask him/her about his/her personal, professional or educational details like full name, address, class, collage name, position,etc.

Existing System

The whole work of Webworx's document generation is being done manually. That is, the documents are written or typed manually for each and every time when it is needed. For example if we want to generate particular document then we need to write its content then we need to work on its style and format.

While creating particular document for a particular employee we need to ask him/her about his/her personal, professional or educational details like full name, address, class, collage name, position,etc.

Need for Computerization

Each document contains a mixture of:

- Static content – the parts that remains the same in each document.
- Dynamic content – content that is customized for the audience or recipient of the generated document.

Difficulties arise due to this are,

- As each **document** contains a mixture of: Static content – the parts that remains the same in each **document**, then there is no point/ need to waste time for typing / writing same content each time for each employee while creating a similar type of document.
- The document generation work is being done manually, and employee details are not being maintain, (manually or what) there was one software in which we used to maintain our employee details but now it is outdated. And hence it is very time consuming to ask each employee about their details and then create documents for them. Here, details of employee can be – full name, address, class, collage name, position,etc.,

Scope of the Proposed System

No business model can afford for its employees to waste time on manual processes, which is why **Webworx's DocGen** has native features that help us create customized documents faster, streamline your workflow, and get you back to business.

- Webworx's DocGen is a great tool when multiple documents need to be generated.
- It saves much time than the manual work takes for entire document generation process.
- For example currently we need to write document content then we need to work on its style and format for each and every document separately. But here in DocGen we can generate any document on just one click.
- This project will help to maintain the employee details which will be useful in future for retrieving the data for further document generation as per the requirements.

Objective of the Proposed System

- DocGen automatically generates documents in PDF format.
- It saves much time than the manual work takes for entire document generation process.
- With the help of DocGen we can generate any document on just one click.
- DocGen maintains information of employees so it becomes easy to access particular employee details while generating any type of document.
- We can also download employee details into excel PDF file format with the help of DocGen.

Feasibility Study

The feasibility study investigates the problem and the information needs of the stake holders. It seeks to determine the resources required to provide an information system solution, the cost and benefits of such a solution, and the feasibility of such a solution. The analyst conducting the study gathers information using a variety of methods, the most popular of which are –

1) Technical Feasibility :-

Technical Feasibility study is the complete study of the project in terms of input, process, output, fields, programs and procedures.

It is a very effective tool for long term planning and trouble shooting. The technical feasibility study should most essentially support the financial information of an organization.

- Browser and internet connection necessary to run smoothly.
- Designing database and server is possible.

2) Operational Feasibility:-

Operational feasibility refers to the major of solving problems with the help of a new proposed system. It helps in taking advantage of the opportunities and fulfills the requirements as identified during the

development of the project. It takes care that the management and the users support the project.

- Offline problem is solved by storage and searching in database.

3) Economical Feasibility:-

Economical feasibility is to demonstrate the net benefits of a proposed system. For accepting or disbursing electronic funds/ benefits, taking into consideration the benefits and cost agency, other state agencies, and the general public as a whole cost benefit analysis.

- This is economical feasible.
- It is beneficial for them and for us too.
- It requires less cost.

Requirement Gathering and Anticipation

The whole work of Webworx's document generation is being done manually. That is, the documents are written or typed manually for each and every time when it is needed. So it is very lengthy and time consuming process to type similar documents each and every time.

Webworx's DocGen is a great tool when multiple documents need to be generated. It saves much time than the manual work takes for entire document generation process.

Platform (H/W, S/W) with version details

Software Specification

- Operating System: Windows OS.
- **Application Platform:** Apache web server, MySQL database , PHP Version 7.4.0. , and PhpMyadmin for managing MySQL databases.

Front End and Back End - HTML, CSS, JavaScript, Ajax, Jquery,PHP and MySQL.

Hardware specification

- Intel i5 processor.
- 200 MB of free hard drive space.
- 128 MB of RAM.

Analysis Specification (Object Oriented Approach)

Questionnaires and Interviews :-

1. How the process is carried out currently ?

Answer :- Currently the entire process is being done manually, i.e. we are creating documents by manually typing.

2. What kind of documents are you creating ?

Answer :- We need to create multiple documents for our clients and candidates as well. Like Internship offer letters, Appointment letters, etc.

3. What difficulties are you facing while creating these documents?

Answer :- Firstly it's very difficult and time consuming to create documents for each and every time as our complete work is being done manually. We need to do the same thing again and again even if we do copy pasting of static content.

4. What about dynamic content ?

Answer :- For dynamic content we asked candidate for their personal, educational, professional details and then we create document as per the requirement. We had one software in which we used to maintain employee details but it is outdated now.

5. Is there any specific format which you follow while creating documents.?

Answer :- Format, content and style changes as per the document. And most of our documents are in PDF format.

6. How many documents do you create?

Answer :- As per our requirements.

7. And after creating document for a particular candidate are you maintaining any records of it? i.e. this document is created for this candidate and what was the document, etc.

Answer :- No.

8. What are your expectations? What do you want your web application should contain?.

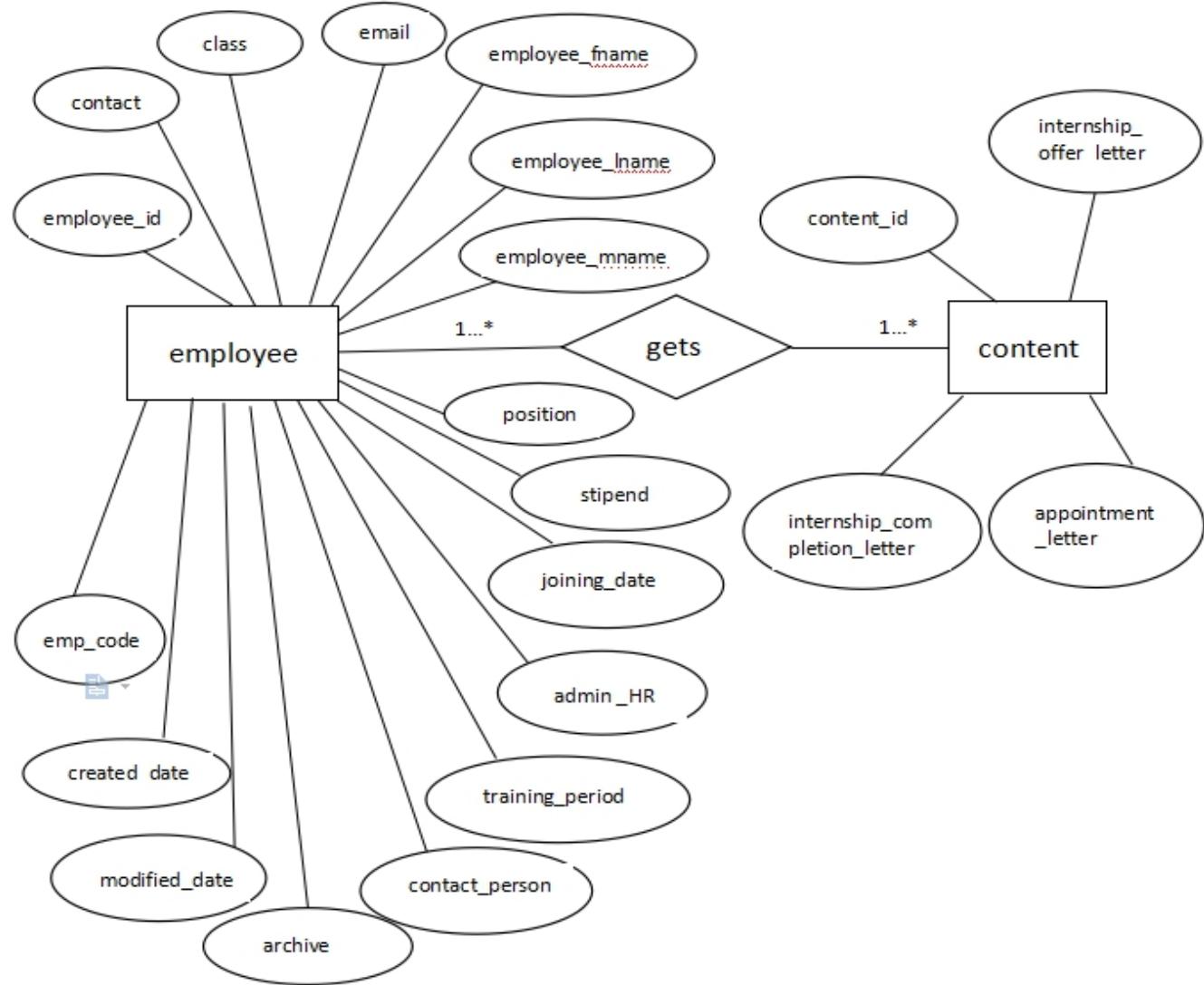
Answer :- Web application must create our documents automatically and in PDF format, which will help us a lot.

Observation :-

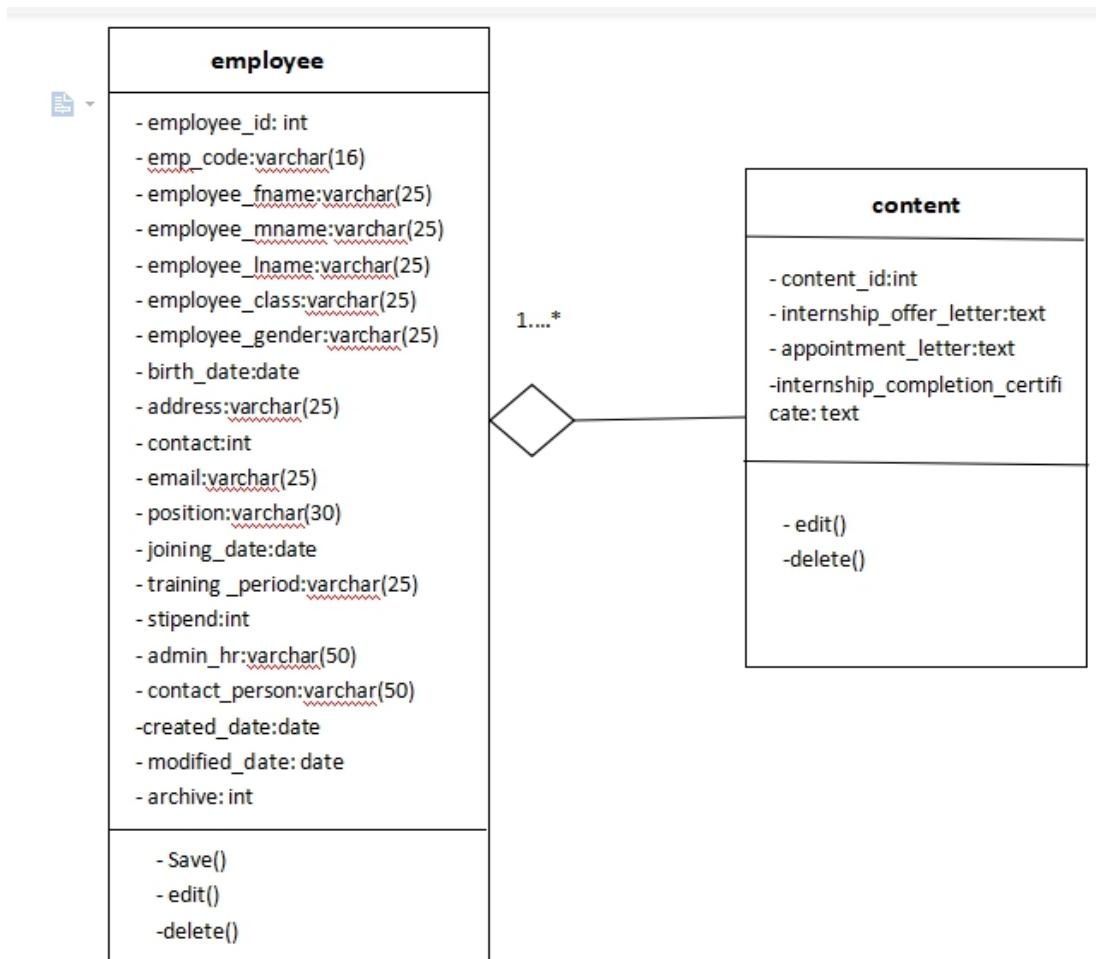
The whole system for the document creation of Webworx is being done manually, and candidate details are not being maintained anywhere for documentation purpose.

Design Specification (Object Oriented Approach)

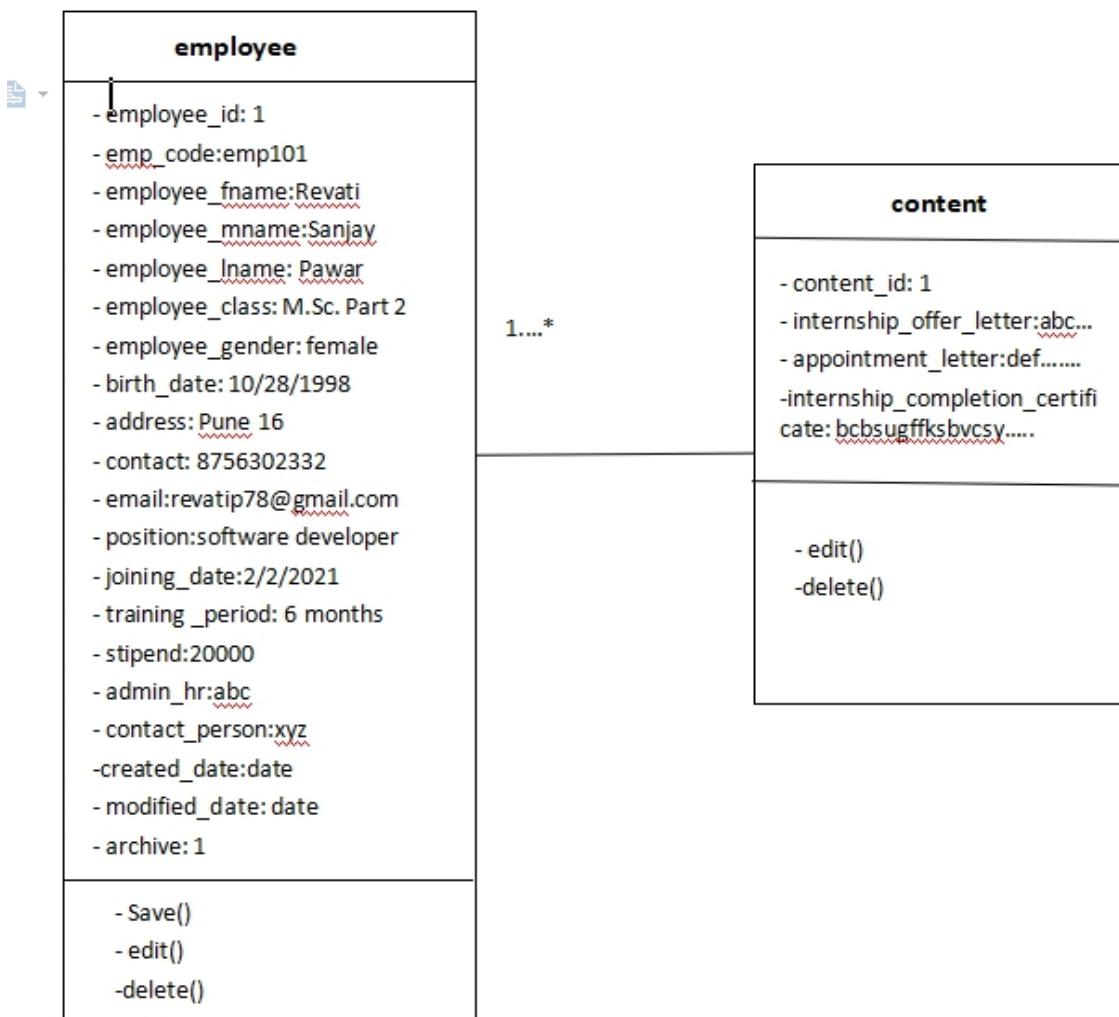
ERD



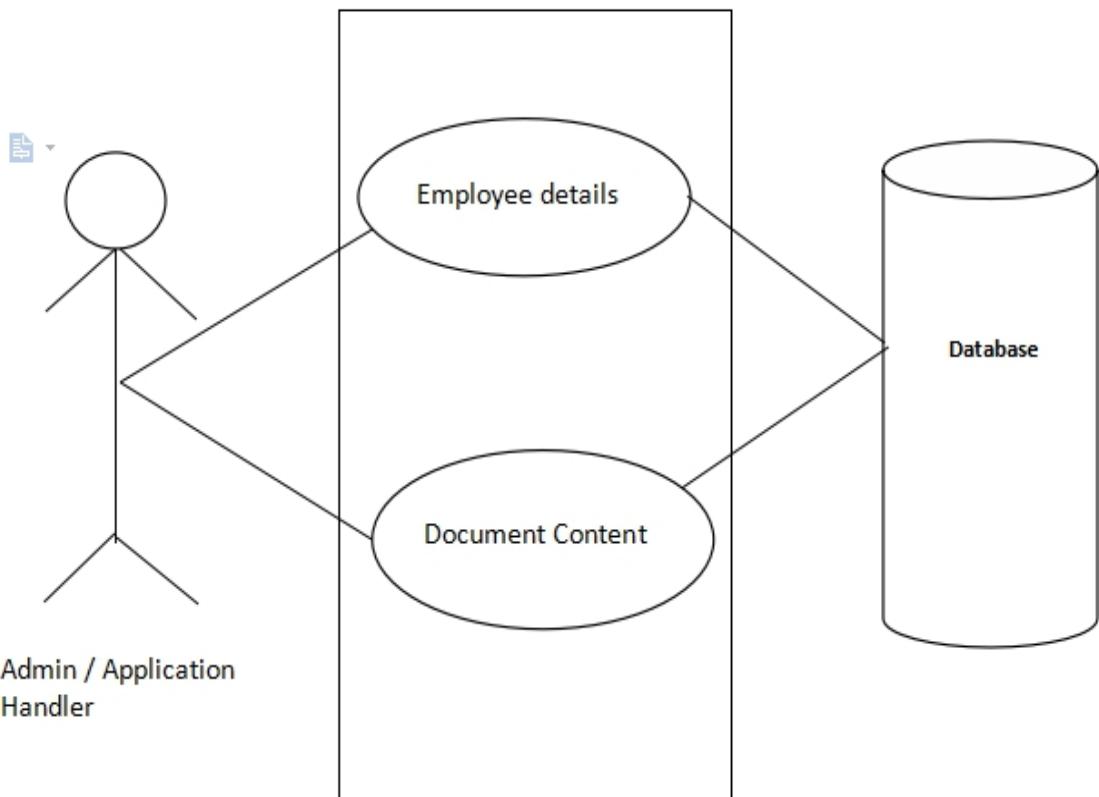
Class Diagram:



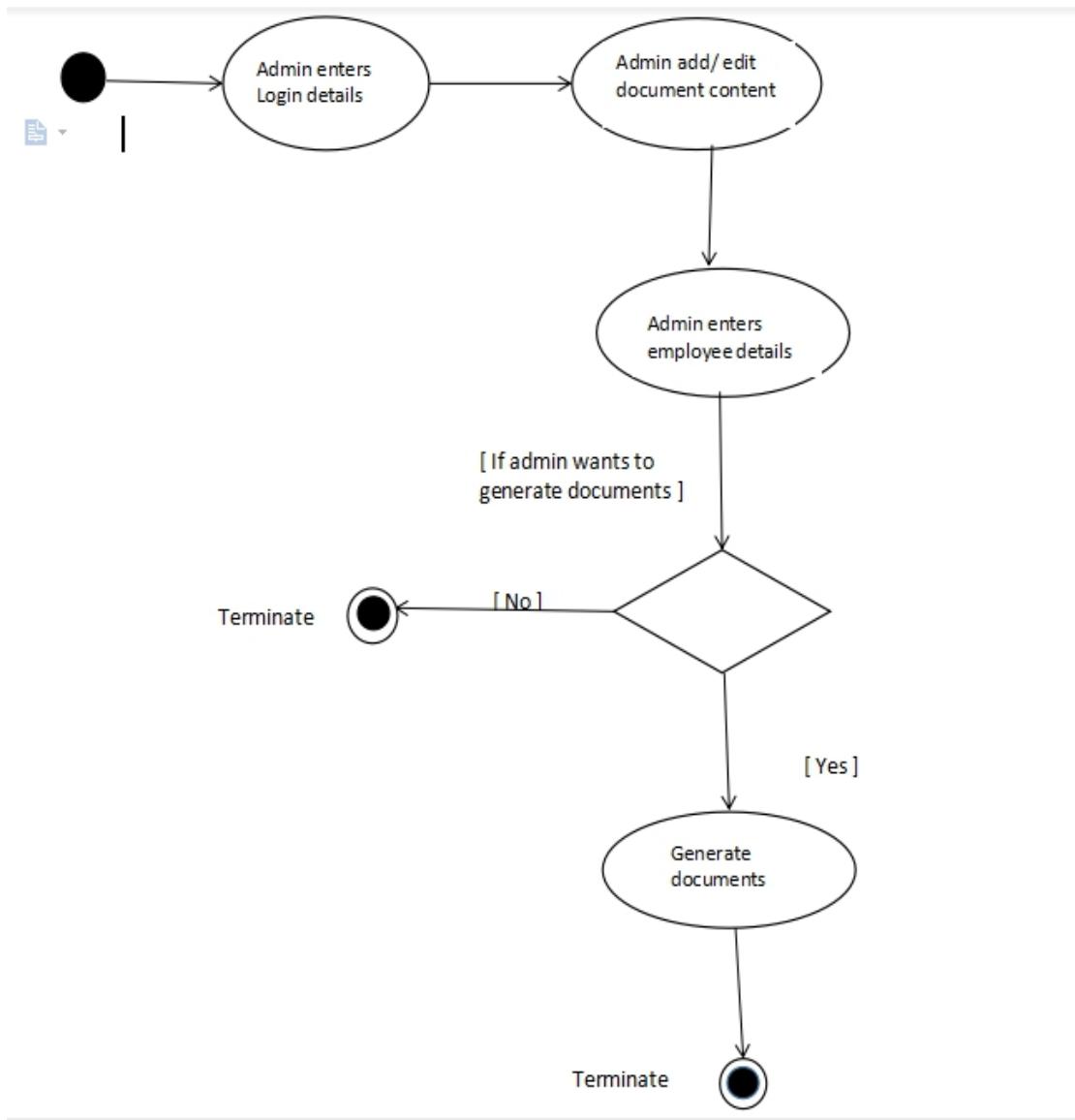
Object diagram:



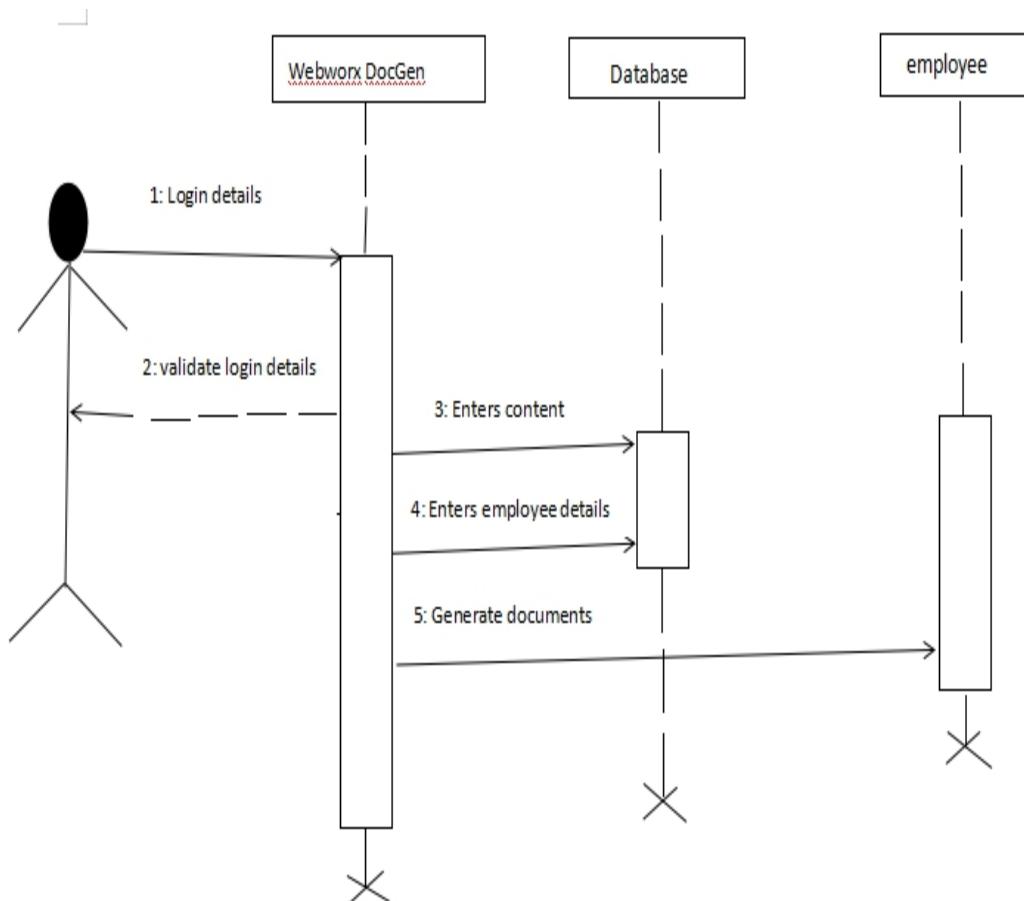
Use case Diagram:



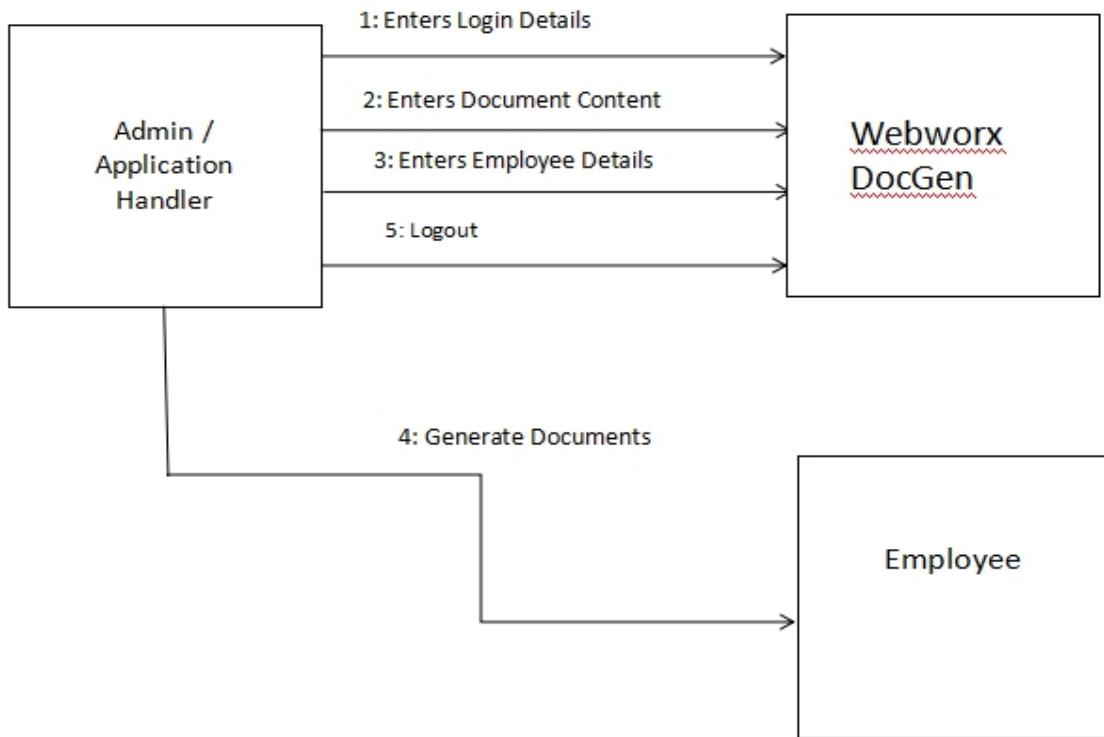
Activity diagram:



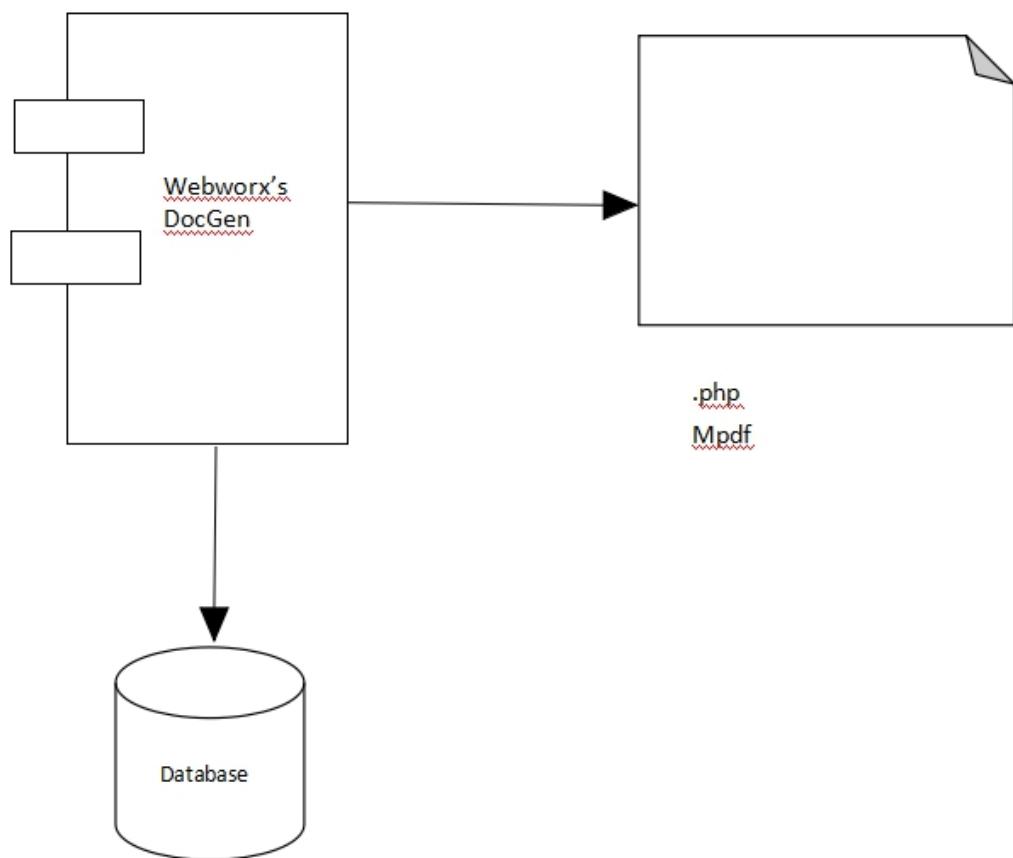
Sequence diagram:



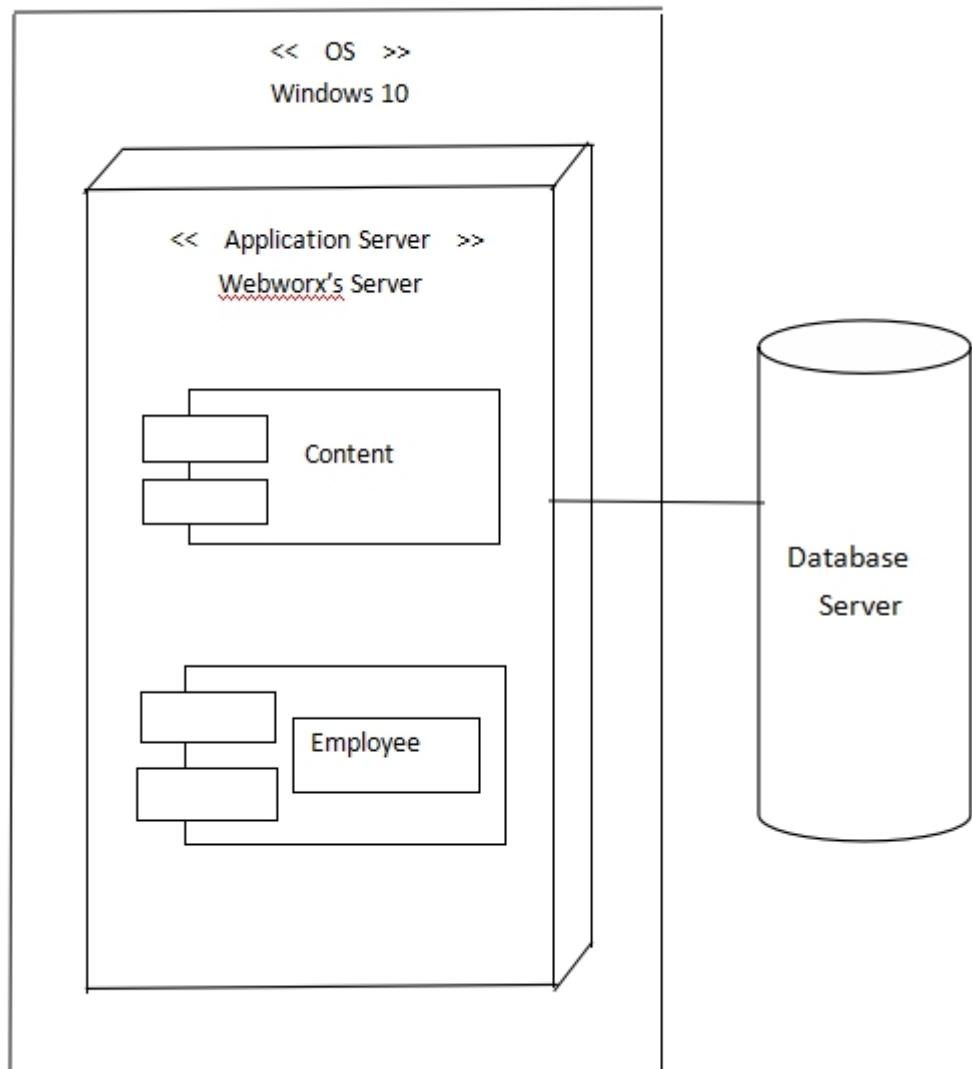
Collaboration Diagram:



Component Diagram:



Deployment Diagram:



Data Dictionary

Employee

Field	Type	Null	Key	Default
employee_id	Varchar(25)	No	Primary	Null
employee_code	Varchar(25)	No		Null
documentation_date	Date	No		Null
employee_fname	Varchar(30)	No		Null
employee_mname	Varchar(30)	No		Null
employee_lname	Varchar(30)	No		Null
Employee_gender	Varchar(20)	No		Null
employee_birth_date	Date	No		Null
employee_contact	Int	No		Null
employee_email	Varchar(30)	No		Null
employee_address	text	No		Null
employee_class	Varchar(40)	No		Null
employee_joining_date	Date	No		Null
employee_position	Varchar(40)	No		Null
Training_period	Varchar(30)	No		Null
stipend	Int	No		Null
contact_person_name	Varchar(40)	No		Null
admin_hr_name	Varchar(40)	No		Null
employee_image	text	No		Null
created_date	CurrentDateTime	No		Null
modified_date	CurrentDateTime	No		Null
archive	Define	No		0

Implementation Strategies

Packages :-

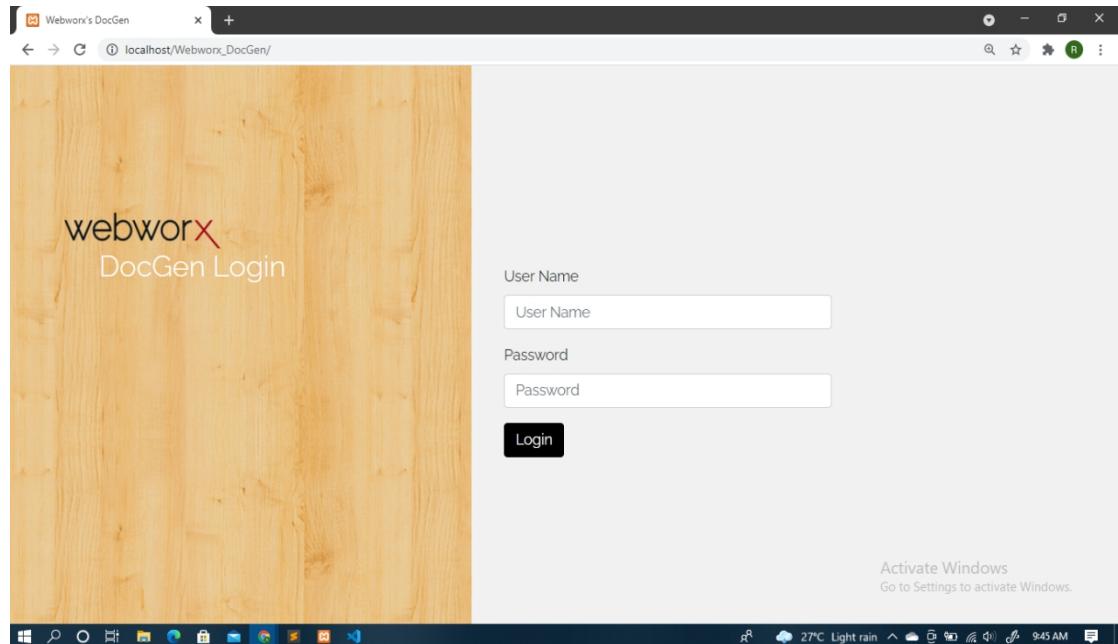
- mPDF :-

mPDF is a PHP library which generates PDF files from UTF-8 encoded HTML.

It is based on FPDF and HTML2FPDF with a number of enhancements.

- CSS stylesheets
- Word spacing and character spacing for justification
- Page headers & footers
- Columns
- Tables - nested tables, rotated, or autosized to fit on a page
- Table of contents
- Index
- Watermarks (with customizable text angle)
- Images in JPG, GIF, PNG, SVG, BMP or WMF format
- Password protection

Input and Output Screens



The screenshot shows a web browser window titled "Webworx Document Generator". The URL in the address bar is "localhost/Webworx_DocGen/dashboard1.php". The page features a dark header with the "webworx" logo and a "MENU" icon. Below the header is a navigation bar with a "Dashboard" item and an "Action" dropdown. The main content area displays five summary cards: "4 EMPLOYEES" (with a people icon), "3 DOCUMENTS" (with a document icon), "1 CONTENTS" (with a folder icon), "56,150 COMMENTS" (with a speech bubble icon), and an "Action" button. At the bottom of the page is a table titled "ALL YOUR EMPLOYEES INFORMATION IS HERE". The table has columns for Employee Code, Documentation Date, First Name, Last Name, Contact Number, Email Address, Profile/Position, and Action. It contains two rows of data. The first row corresponds to the "4 EMPLOYEES" card above. The second row has an "Action" button with a dropdown arrow. A watermark-like text "Activate Windows Go to Settings to activate Windows." is visible at the bottom right. The browser's toolbar and taskbar are present at the top and bottom of the window respectively.

The screenshot shows the Webworx Document Generator dashboard. At the top, there's a navigation bar with links for EMPLOYEES, DOCUMENT_CONTENTS, EXPORT_FILES, and SETTINGS. Below the navigation is a main content area with tabs for EMPLOYEES, DOCUMENTS, CONTENTS, and COMMENTS. The DOCUMENTS tab is selected. A sub-section titled 'ALL YOUR EMPLOYEES INFORMATION IS HERE' displays a table of employee data:

Employee Code	Documentation Date	First Name	Last Name	Contact Number	Email Address	Profile/Position	Action
emp101	2021-06-16	Revati	Pawar	2147483647	reavtipawar28@gmail.com	Software Developer	Action
emp106	2021-06-17	Riya	xyz	2147483647	riyao6@gmail.com	Software Developer	Action

The status bar at the bottom shows system information like weather (27°C Light rain), time (9:46 AM), and battery level.

This screenshot is similar to the first one, showing the Webworx Document Generator dashboard. The 'EMPLOYEES' section is highlighted. A context menu is open over the second employee entry (Riya) in the table, with options 'View Employees' and 'Add Employee'. The status bar at the bottom shows system information like weather (27°C Light rain), time (9:53 AM), and battery level.

Webworx Document Generator x +

localhost/Webworx_DocGen/dashboard1.php

webworx

EMPLOYEES DOCUMENTS CONTENTS COMMENTS MENU

ALL YOUR EMPLOYEES INFORMATION IS HERE

Employee Code	Documentation Date	First Name	Last Name	Contact Number	Email Address	Profile/Position	Action
emp101	2021-06-16	Revati	Pawar	2147483647	reavtipawar28@gmail.com	Software Developer	Action ▾
emp106	2021-06-17	Riya	xyz	2147483647	riyao6@gmail.com		<input checked="" type="checkbox"/> Edit <input checked="" type="checkbox"/> Archive <input checked="" type="checkbox"/> Documents Offer Letter Appointment Letter Internship Competition Certificate
emp103	2021-06-17	Utkarsha	Wakalkar	1236547890	utdw19@gmail.com		
emp104	2021-06-18	Ankita	Bahirat	1234567890	ankita1230@gmail.com		

Employee Code Documentation Date First Name Last Name Contact Number Email Address Profile/Position Action

localhost/Webworx_DocGen/create_offer_letter.php?employee_id=1&employee_fname=Revati

Activate Windows Go to Settings to activate Windows.

Webworx Document Generator x +

localhost/Webworx_DocGen/add_employee.php

webworx

EMPLOYEES DOCUMENTS CONTENTS COMMENTS MENU

Add Employee

New employee information will be added here

Action ▾

FILL YOUR EMPLOYEE INFORMATION HERE

Employee Code:	Documentation Date:
<input type="text" value="Enter here"/>	<input type="text" value="mm/dd/yyyy"/> <input type="button" value=""/>
Employee First Name:	Employee Middle Name:
<input type="text" value="Enter here"/>	<input type="text" value="Enter here"/>
Employee Last Name:	Employee Gender:
<input type="text" value="Enter here"/>	<input checked="" type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Other
Employee Address:	Employee Birth Date:
<input type="text" value=""/>	<input type="text" value="mm/dd/yyyy"/> <input type="button" value=""/>

Activate Windows Go to Settings to activate Windows.

Webworx Document Generator

localhost/Webworx_DocGen/add_employee.php

webworx

Employee Details:

Employee ID:	99999234512	Email:	abc12@gmail.com
Employee Class:	Enter here	Employee Position:	Enter here
Employee Joining Date:	mm/dd/yyyy	Training Period:	Enter here
Stipend:	Enter here	Contact Person Name:	Enter here
Admin/HR Name:	Enter here	Upload Image:	Choose file <input type="button" value="Browse"/>

Action:

Activate Windows
Go to Settings to activate Windows.

Webworx Document Generator

localhost/Webworx_DocGen/dashboard1.php

webworx

Employee Information:

ALL YOUR EMPLOYEES INFORMATION IS HERE

Employee Code	Documentation Date	First Name	Last Name	Contact Number	Email Address	Profile/Position	Action
emp101	2021-06-16	Revati	Pawar	2147483647	reatvipawar28@gmail.com	Software Developer	Action ▾
emp106	2021-06-17	Riya	xyz	2147483647	riya06@gmail.com	Software Developer	Action ▾
emp103	2021-06-17	Utkarsha	Wakalkar	1236547890	utdw19@gmail.com	Software Developer	Action ▾
emp104	2021-06-18	Ankita	Bahirat	1234567890	ankita1230@gmail.com	HR	Action ▾
Employee Code	Documentation Date	First Name	Last Name	Contact Number	Email Address	Profile/Position	Action

Action:

Activate Windows
Go to Settings to activate Windows.

Webworx's Document Generator

localhost/Webworx_DocGen/all_employees.php

webworx

MENU

ALL YOUR EMPLOYEES INFORMATION IS HERE

Action	First Name	Last Name	Email Address	Joining Date	Profile/Position	Employee Image	Action
	Revati	Pawar	reavtipawar2@gmail.com	2021-07-07	Software Developer	IMG_20200713_005948_380.jpg	Action ▾
	Riya	xyz	riya06@gmail.com	2021-06-30	Software Developer	animation	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Archive <input type="checkbox"/> Documents <input type="checkbox"/> Offer Letter <input type="checkbox"/> Appointment Letter <input type="checkbox"/> Internship Competition Certificate
	Utkarsha	Wakalkar	utdw19@gmail.com	2021-07-01	Software Developer	IMG_202	
	Ankita	Bahirat	ankita1230@gmail.com	2021-07-01	HR	animation	

localhost/Webworx_DocGen/create_offer_letter.php?employee_id=1&&employee_fname=Revati

Activate Windows
Go to Settings to activate Windows.

Webworx's Document Generator

localhost/Webworx_DocGen/edit_employee_details.php?employee_id=1

webworx

MENU

Edit Employee

Employee information will be edited here

Action ▾

EDIT YOUR EMPLOYEE INFORMATION HERE

Your are editing employee 1 details.

Employee Code:	Documentation Date:
emp101	06/16/2021
Employee First Name:	Employee Middle Name:
Revati	Sanjay
Employee Last Name:	Employee Gender:
Pawar	<input type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Other

Activate Windows
Go to Settings to activate Windows.

Webworx's Document Generator

localhost/Webworx_DocGen/edit_employee_details.php?employee_id=1

Employee Details

Employee Contact Number:	Employee Email Address:
2147483647	reavtipawar28@gmail.com
Employee Class:	Employee Position:
M.S. (Computer Science) Part II	Software Developer
Employee Joining Date:	Training Period:
07/07/2021	6 months
Stipend:	Contact Person Name:
9000	UTKARSHA
Admin/HR Name:	Upload Image:
Purva Keskar	<input type="button" value="Choose file"/> <input type="button" value="Browse"/>
<input type="button" value="Update"/>	

Activate Windows
Go to Settings to activate Windows.

Webworx's Document Generator

localhost/Webworx_DocGen/all_employees.php

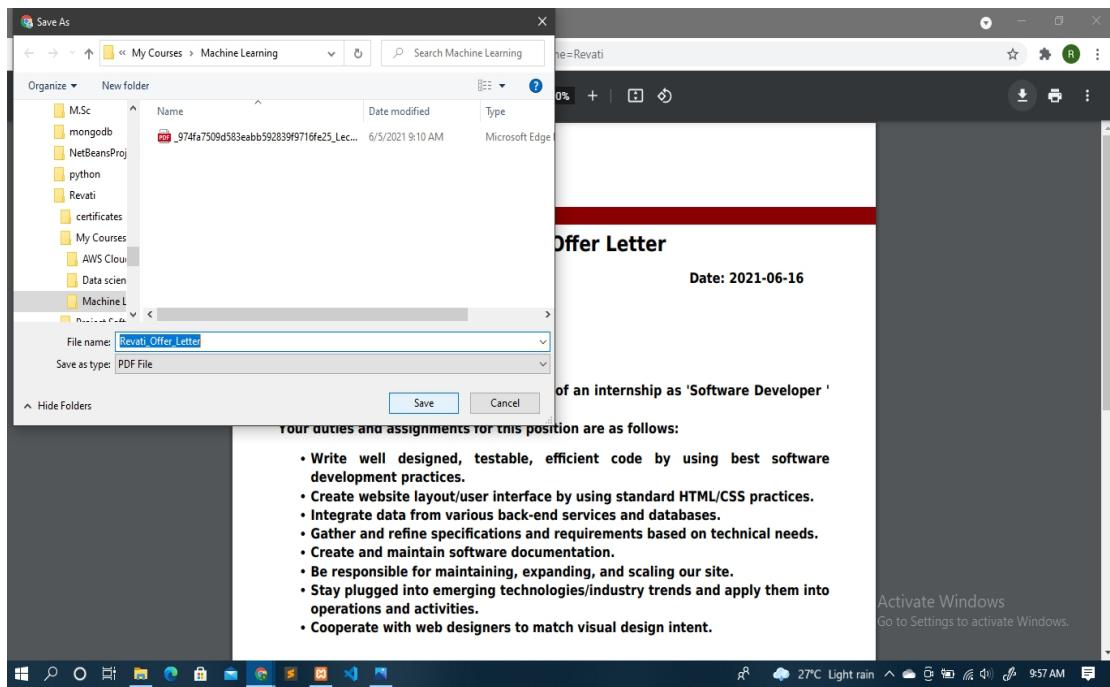
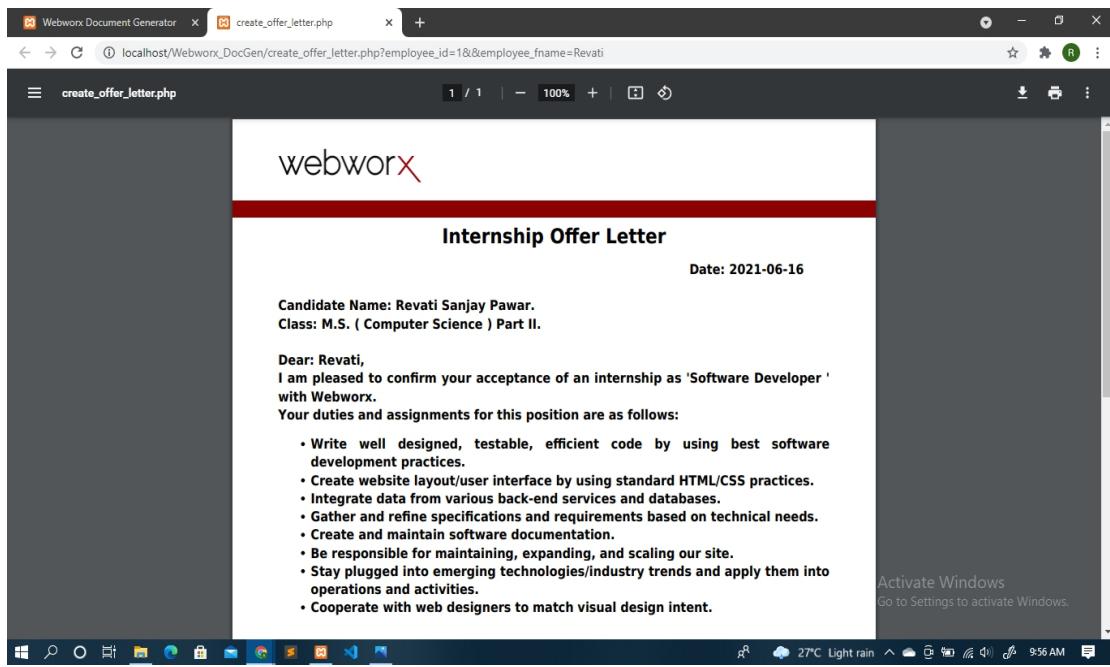
All Employees

All employees information will be shown here

Action ▾

Action	First Name	Last Name	Email Address	Joining Date	Profile/Position	Employee Image	Action
	Revati	Pawar	reavtipawar28@gmail.com	2021-07-07	Software Developer	IMG_20200713_005948_380.jpg	<input type="button" value="Action ▾"/>
	Riya	xyz	riya06@gmail.com	2021-06-30	Software Developer	animation1.jpg	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Archive <input type="checkbox"/> Documents
	Utkarsha	Wakalkar	utdw19@gmail.com	2021-07-01	Software Developer	IMG_20200713_005948_380.jpg	<input type="checkbox"/> Offer Letter <input type="checkbox"/> Appointment Letter
	Ankita	Bahirat	ankita1230@gmail.com	2021-07-01	HR	animation1.jpg	<input type="checkbox"/> Internship Completion Certificate <input type="checkbox"/> Activate Windows <input type="checkbox"/> Archive <input type="checkbox"/> Documents

Activate Windows
Go to Settings to activate Windows.

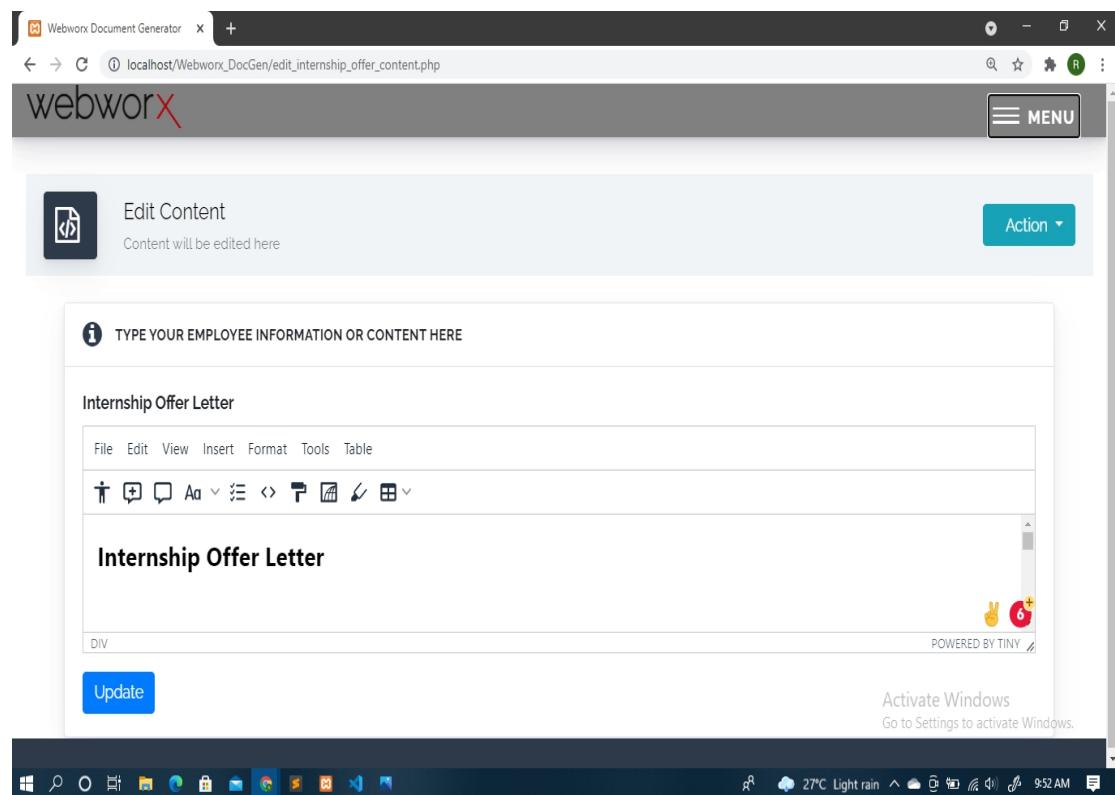
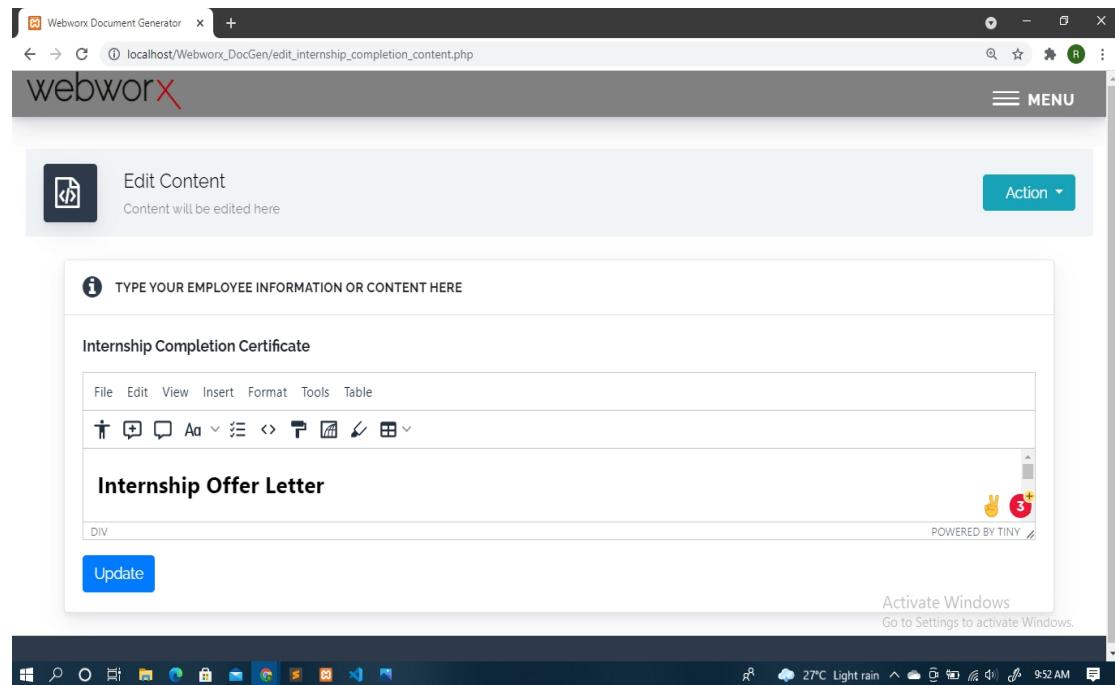


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emp106	2021-06-17	Riya	xyz	2147483647	riyao6@gmail.com	Software Developer	Action

A tooltip for the 'Action' button for the second row indicates: 'Activate Windows Go to Settings to activate Windows.' The system tray at the bottom shows standard icons like network, battery, and volume.

The screenshot shows the 'Edit Content' page for an appointment letter. The top navigation bar includes a 'MENU' icon. The main content area has a 'Content will be edited here' placeholder and an 'Action' button. Below this is a rich text editor interface with a toolbar and a preview window. The preview window contains the text 'Appointment Letter' and a TINY editor watermark. A tooltip for the 'Update' button says: 'Activate Windows Go to Settings to activate Windows.' The system tray at the bottom shows standard icons like network, battery, and volume.



Webworx Document Generator

localhost/Webworx_DocGen/dashboard1.php

webworx

EMPLOYEES

- All Employees
- Add Employee

DOCUMENT_CONTENTS

- All Contents
- Internship Offer Letter
- Appointment Letter
- Internship Completion Certificate

EXPORT_FILES

- Employee Excel
- Employee PDF

SETTINGS

- Dashboard
- Logout

4 EMPLOYEES DOCUMENTS CONTENTS COMMENTS

ALL YOUR EMPLOYEES INFORMATION IS HERE

Employee Code	Documentation Date	First Name	Last Name	Contact Number	Email Address	Profile/Position	Action
emp101	2021-06-16	Revati	Pawar	2147483647	reatvipawar2@gmail.com	Software Developer	Action ▾

Employee_Data (4).xls

Activate Windows Go to Settings to activate Windows Show all

WPS Office

Employee_Data (4).xls

Home Insert Page Layout Formulas Data Review View Tools Click to find commands

A1 employee_id

employee_id	employee_documentation_date	employee_first_name	employee_last_name	employee_contact_number	employee_email_address	employee_profile_position	employee_training_stipend	contact_person_email
1 emp101	6/16/2021	Revati	Sanjay Pawar	Female	10/28/1998 2.147E+09	reatvipawa103 Bahirat M.S. (Com)	7/7/2021 Software D 6 months	9000 UTKARSHA Purva Keskani
2 emp106	6/17/2021	Riya	abc xyz	Female	7/1/2021 2.147E+09	riya0@gm103 Bahirat M.Sc. (Com)	6/30/2021 Software D 6 months	9000 revati Purva Keskani
3 emp103	6/17/2021	Uttarksha	Dattatrya Wakalkar	Female	2/19/1998 1.237E+09	utdw19@g103 Kasba peth M.Sc. (Com)	7/1/2021 Software D 6 months	9000 Revati Purva Keskani
4 emp104	6/18/2021	Ankita	Satish Bahirat	Female	12/30/1996 1.235E+09	ankita1230103 Bahirat M.B.A.	7/1/2021 HR 6 months	6000 Revati Purva Keskani

Activate Windows Go to Settings to activate Windows

Testing Strategies

Employee

Test Case	Test case name	Prerequisites (pattern)	Input	Expected result	Actual result	Status
TC01	Employee Code	Contains alphanumeric value. Maximum size should be 16..	eg. Abc1231232323, As12@,etc 16..	Should not be accepted maximum length must be 16	Max length of id should be 16 and it should be alphanumeric	Fail
	Employee Code	Contains alphanumeric value. Maximum size should be 16..	eg. Abc123	Should be accepted as it satisfies the pattern	Accepted	Pass
	Employee first name	[a-zA-Z]{1,32}	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it contains integer or special symbols	Employee first name should contain letters only	Fail

	Employee first name	[a-zA-Z]{1,32}	eg. Revati etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass
	Employee middle name	[a-zA-Z]{1,32}	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it contains integer or special symbols	Employee middle name should contain letters only	Fail
	Employee middle name	[a-zA-Z]{1,32}	eg. sanjay etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass
	Employee last name	[a-zA-Z]{1,32}	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it contains integer or special symbols	Employee last name should contain letters only	Fail
	Employee last name	[a-zA-Z]{1,32}	eg. pawar etc.	Should be accepted as it	Accepted.	Pass

				satisfies the pattern.		
	Employee Contact Number	$^{\wedge} [6-9] \{1\} [1-9] \{9\}$	eg. 41236 78889 , 12345 , begin with 34990 033, etc.	Should not be accepted as it doesn't begin with [6-9] and contains 10 digits	Please enter valid contact.	Fail
	Employee Contact Number	$^{\wedge} [6-9] \{1\} [1-9] \{9\}$	eg. 73044 77027 , 98235 70773 , 87964 16049 , etc.	Should be accepted as it matches the pattern.	Accepted.	Pass
	Employee Email	Should contain one '@' and at least one '.'	eg. 123ab c.com, abg@ gmail, lol@1 23, etc.	Should not be accepted as it doesn't follow the pattern.	Please Enter valid email address.	Fail

	Employee Email	Should contain one '@' and at least one '.'	eg. revati@gmail.com, abg@gmail.co, lol@123.co, etc	Should be accepted.	Accepted.	Pass
	Employee Address	[a-zA-Z]{1,32}	eg. 123ab c, abc12, abc_1 etc.	Should not be accepted as it contains integer or special symbols	address should contain letters only.	Fail
	Employee Address	a-zA-Z]{1,32}	If one of either is selected	Should be accepted as it satisfies the pattern	Accepted.	Pass
	Employee Class	/[a-zA-Z0-9.]/	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it doesn't follow the pattern.	Employee Class should contain letters only	Fail

	Employee Class	/[a-zA-Z0-9.]/	eg. M.Sc. Part 1, etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass
	Employee position	[a-zA-Z]{1,32}	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it contains integer or special symbols	Employee position should contain letters only	Fail
	Employee position	[a-zA-Z]{1,32}	eg. Revati etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass
	Training period	[1-9] 1[0-2]	eg. 122,0 000a,etc.	Should not be accepted as it doesn't satisfies the pattern.	Please enter valid Training period.	Fail
	Training period	[1-9] 1[0-2]	eg. 1,2,10, etc	Should be accepted as it	Accepted.	Pass

				satisfies the pattern.		
	Stipend	$^{[0-9]*\$}$	eg. A1000 ,%43e r., 4000/, etc.	Should not be accepted as it doesn't begin with [0-9] and contains alphabets and other characters .	Please enter valid stipend.	Fail
	Stipend	$^{[0-9]*\$}$	eg. 10000 ,etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass
	Contact person name	[a-zA-Z] {1,32}	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it contains integer or special symbols	Contact person name should contain letters only	Fail
	Contact	[a-zA-Z]	eg.	Should be	Accepted.	Pass

	person name	{1,32}	Revati Sanjay Pawar etc.	accepted as it satisfies the pattern.		
	Admin / HR name	[a-zA-Z] {1,32}	eg. 123ab c, abc12, abc_1 2, etc	Should not be accepted as it contains integer or special symbols	Admin / HR name should contain letters only	Fail
	Admin / HR name	[a-zA-Z] {1,32}	eg. Revati Sanjay Pawar etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass

Limitations and Drawbacks

Limitations are important to work the web application better.

In our web application the limitations are as follows:

- I have developed this web application for “Webworx India private limited” only.
- Only admin can handle this application. Clients or employees don't have any access to it.
- Admin can only maintain details of employee, and document content.
- Admin can generate documents only for the employee whose records are stored in the database.

Conclusion

This project helps in understanding the creation of an interactive web application and the technologies used to implement it. The building of the project has given me a precise knowledge about how it is used to develop, how it connects to the database to access the data and how the data is modified to provide a user with a good web application.

Future Enhancements

Now we are generating documents and downloading it on our system, so we are planning to send generated documents directly to that particular employee on their email as it will become more easy for the admin to send documents to the employee.

Reference and Bibliography

- www.google.com
- www.w3school.com
- www.tutorialspoint.com
- MPdf Manual.
- Bootstrap tutorials
- PHP tutorials.
- PDO tutorials.