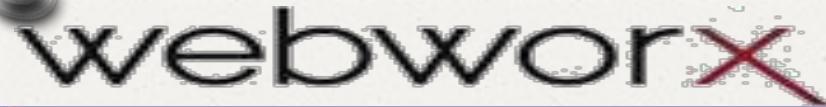


Webworx's DocGen

Name: Revati Sanjay Pawar

Class: M.Sc.(Computer Science) Part II

Roll No.: 42836



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

Industrial Project Calendar

Month	Week	Particulars	Remark
February-2021	I	Revised HTML, CSS, and PHP Concepts.	
	II	Introduction to REST API and PDO	
	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.	

Month	Week	Particulars	Remark
	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	
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.	

Month	Week	Particulars	Remark
	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.uk	

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 me to understand and deal with the real time problems that are incurred during the working of a project.

I want to thank all the people who helped me 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 I would like to thank all those people who understood and appreciated the aim of the project and encouraged me to further keep developing such projects.

Contents

- Introduction
- Problem Definition
- Existing System
- Need of Computerization
- Scope of Proposed System
- Objective of Proposed System
- Feasibility Study
- Requirement gathering and anticipation
- Platform (H/W, S/W) with version details
- Analysis Specification (Object Oriented Approach)

Contents

- Design Specification (Object Oriented Approach)
- Data Dictionary
- Implementation Strategies
- Input/Output Screens
- Testing Strategies
- Limitations and Drawbacks
- Conclusion
- Future Enhancements
- Reference and Bibliography

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

Problem Definition

- 0 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.
- 0 Second thing Employee info. / details that is 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

- 0 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.

- 0 And 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.

Need for Computerization

O The document generation work is being done manually, and employee details are not being maintained, 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.

Scope of the Proposed System

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

Scope of the Proposed System

- 0 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.
- 0 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.

Objectives 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 file format with the help of DocGen.

Requirement Gathering and Anticipation

- ① 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.
- ② 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 employees 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?.

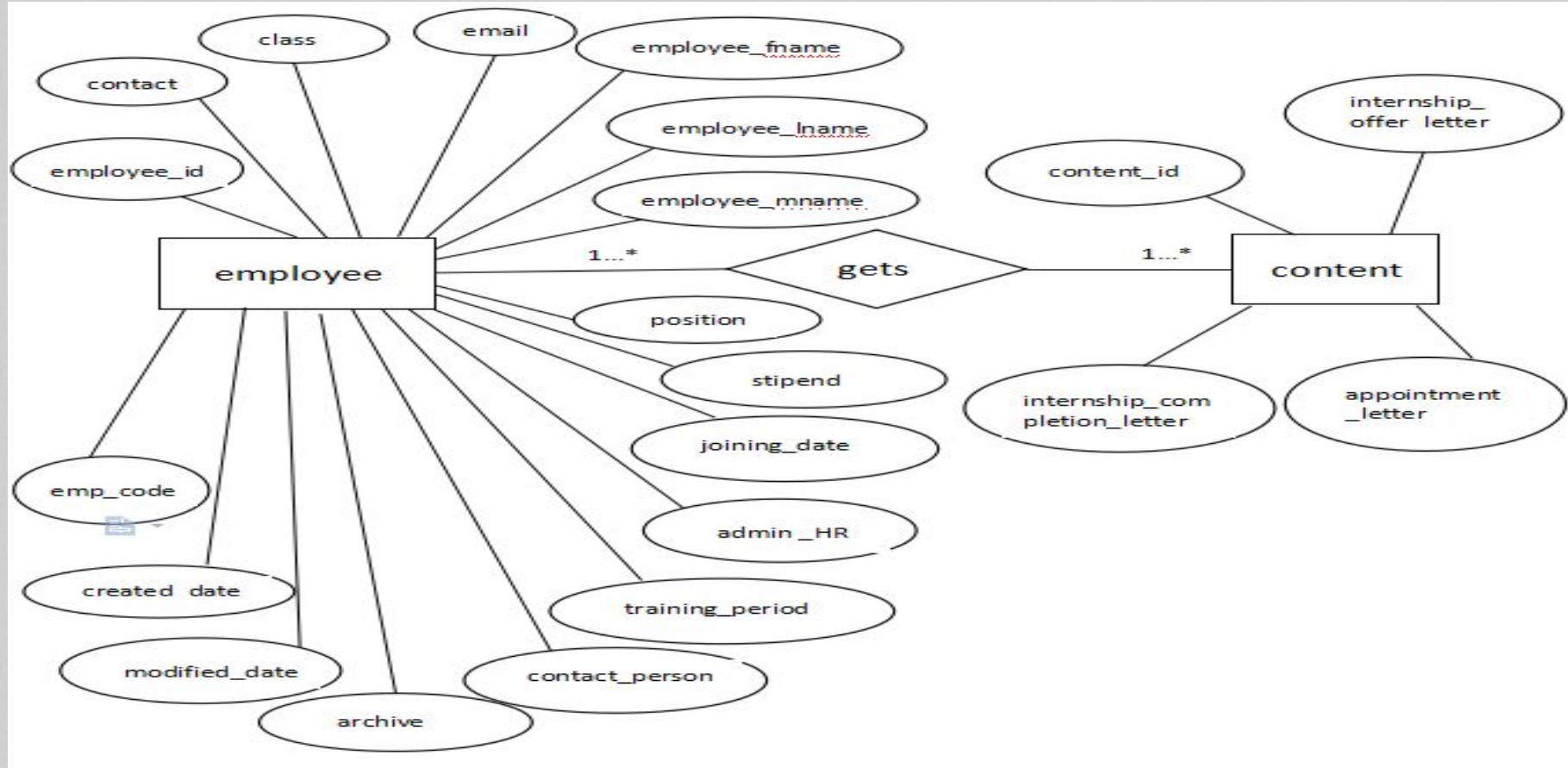
Answer :- Web application must create our documents automatically and in PDF format, which will help us a lot.

Observation :-

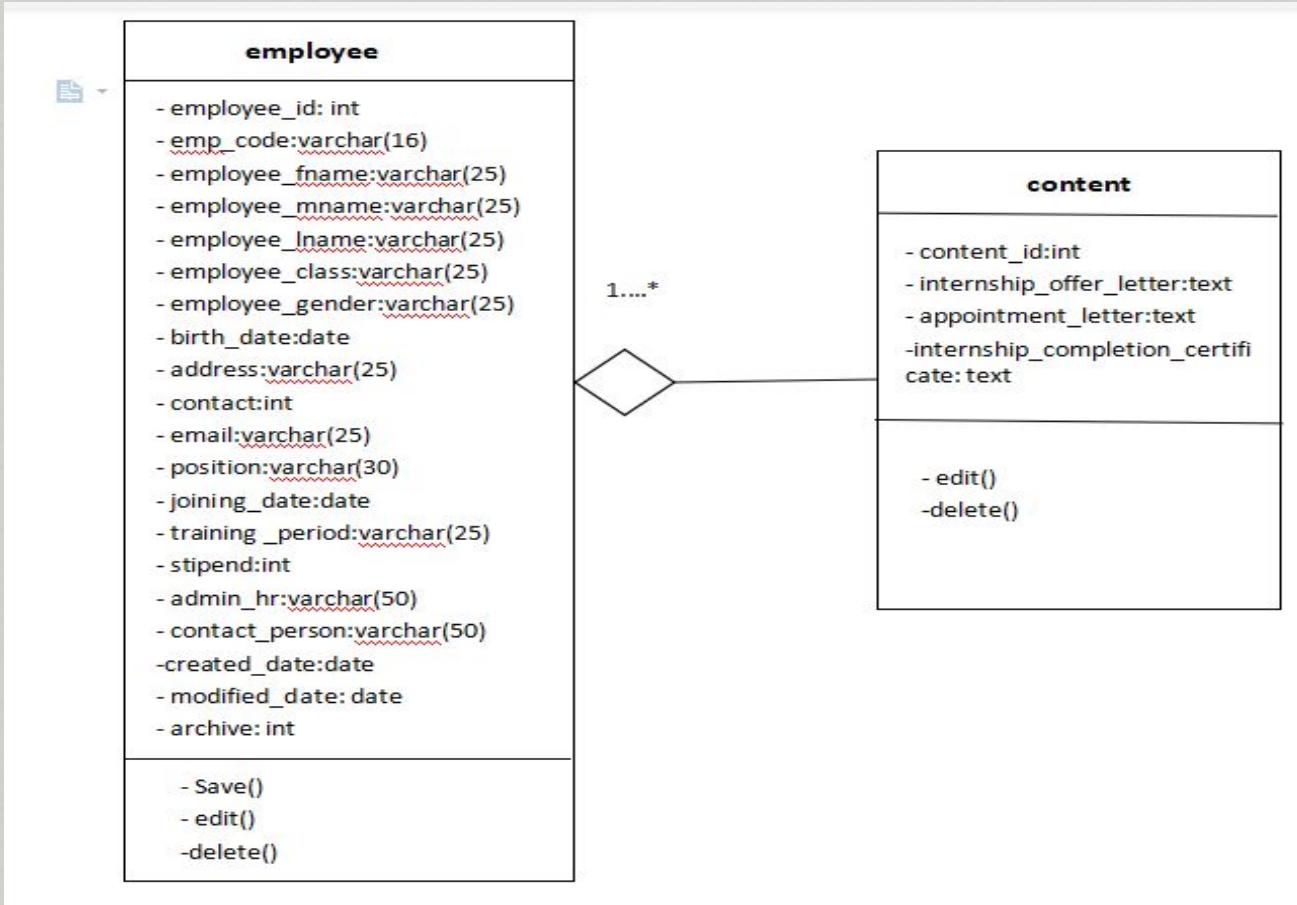
The whole system for the document creation of Webworx is being done manually, though we have one software but it is outdated, and hence employee details are not being maintain anywhere for documentation purpose.

Design Specification (Object Oriented Approach)

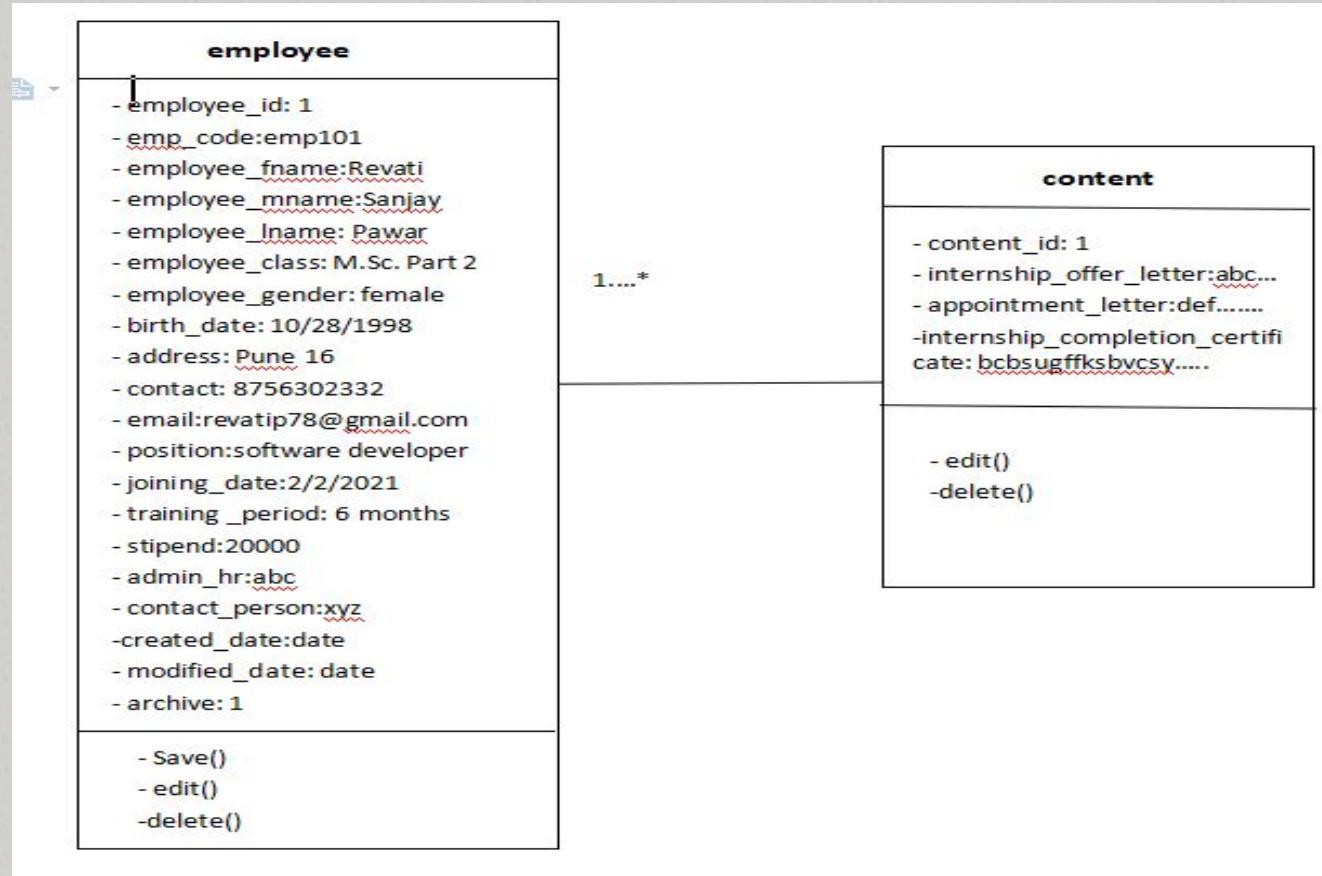
0 ERD



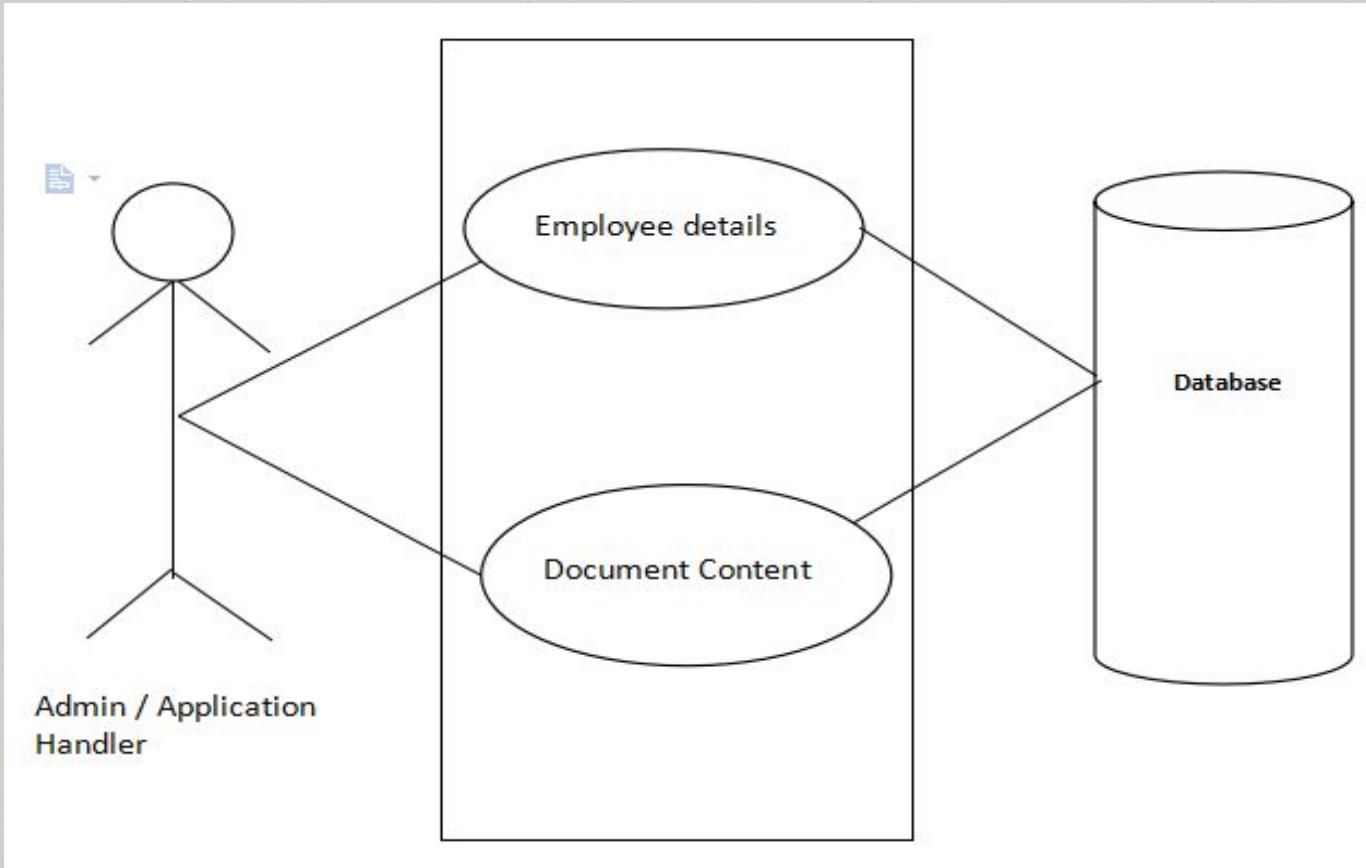
Class Diagram:



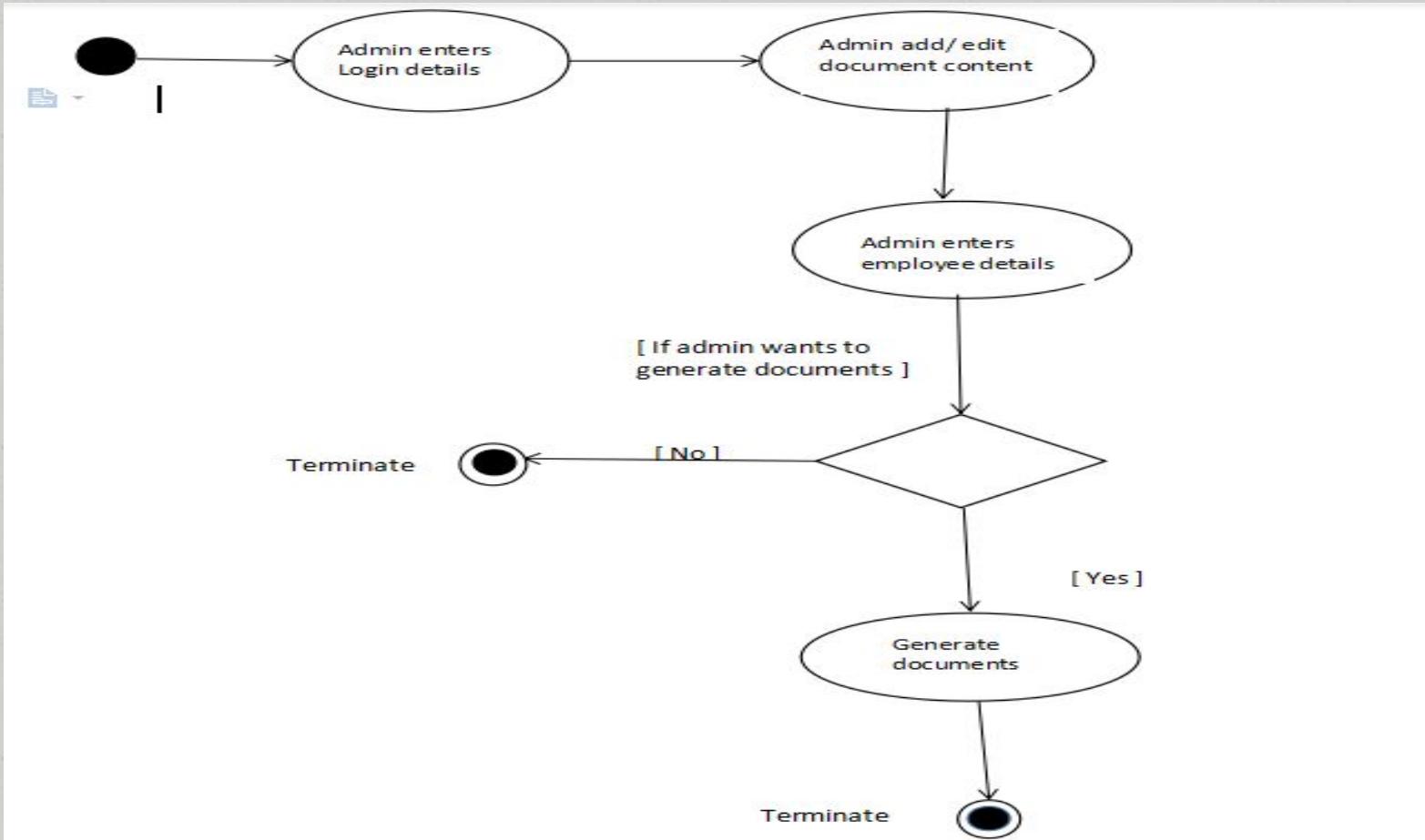
Object Diagram:



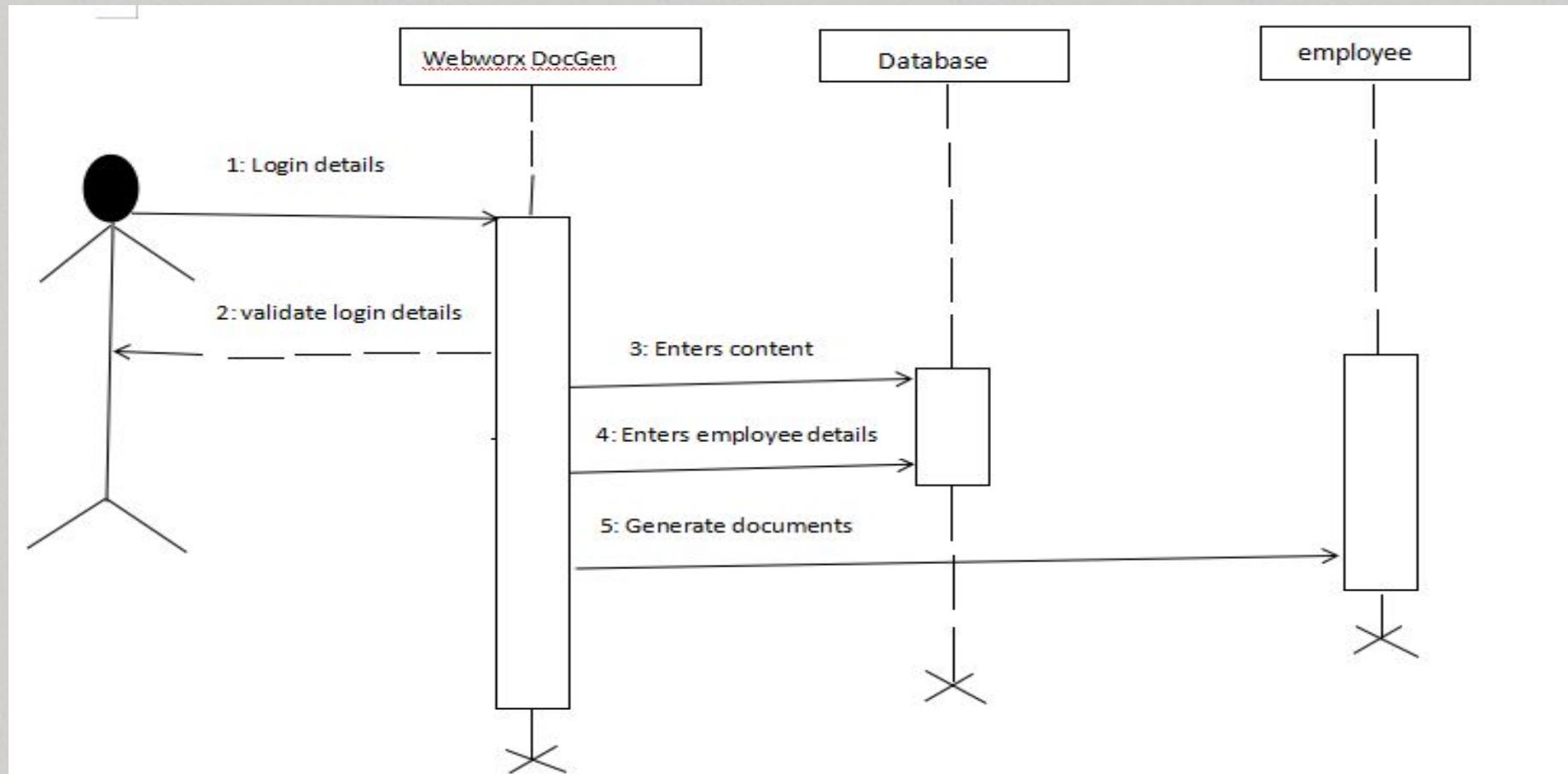
Use case Diagram:



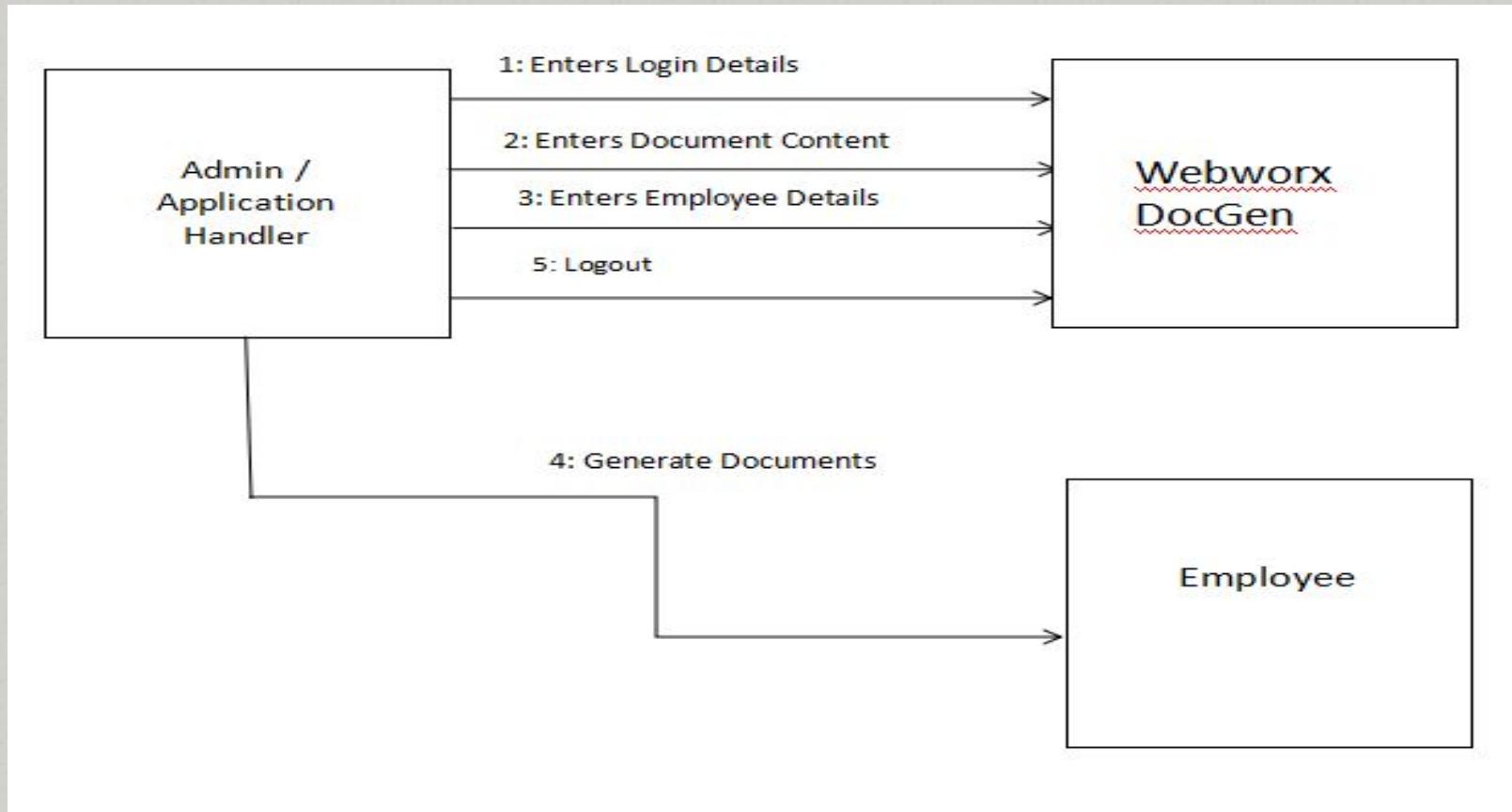
Activity Diagram:



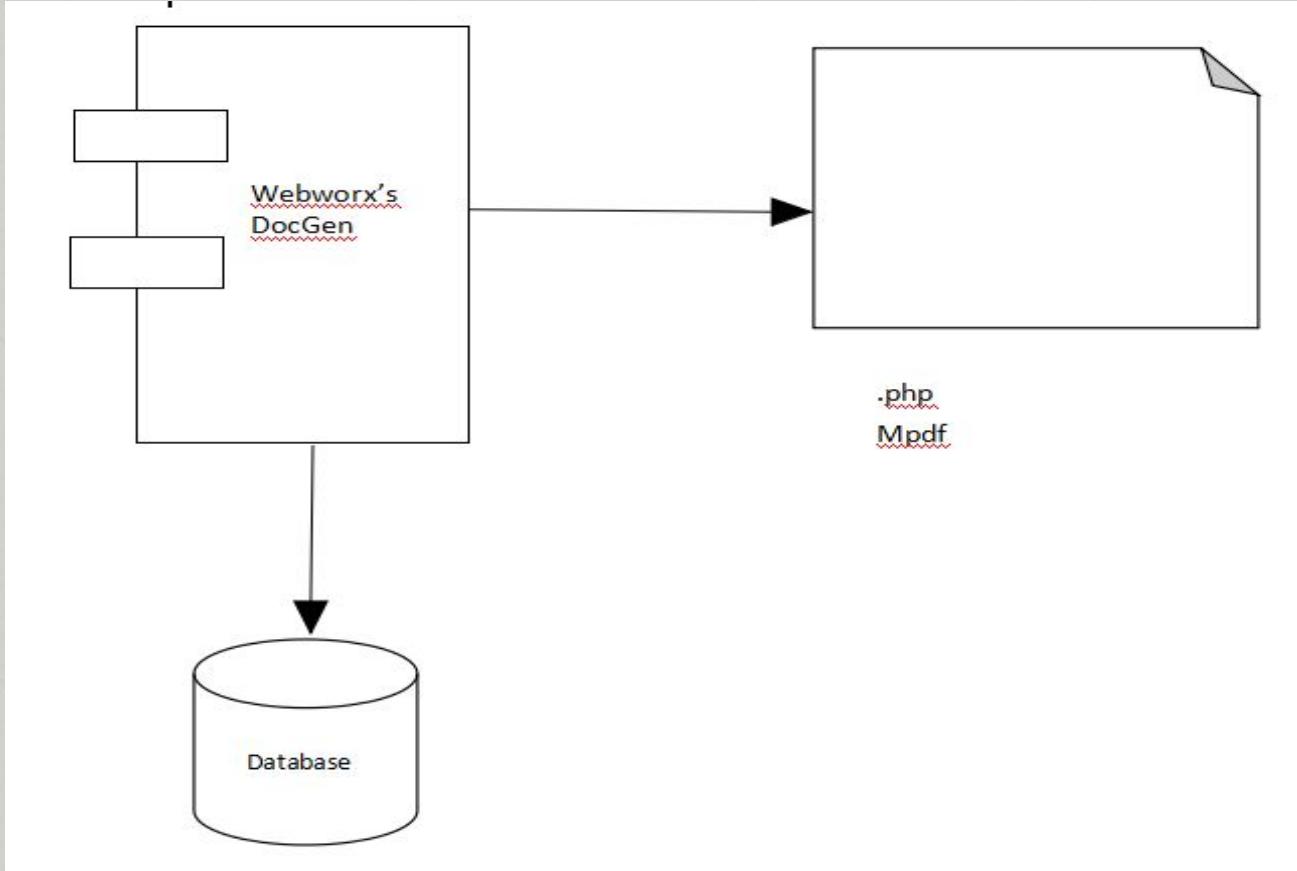
Sequence Diagram:



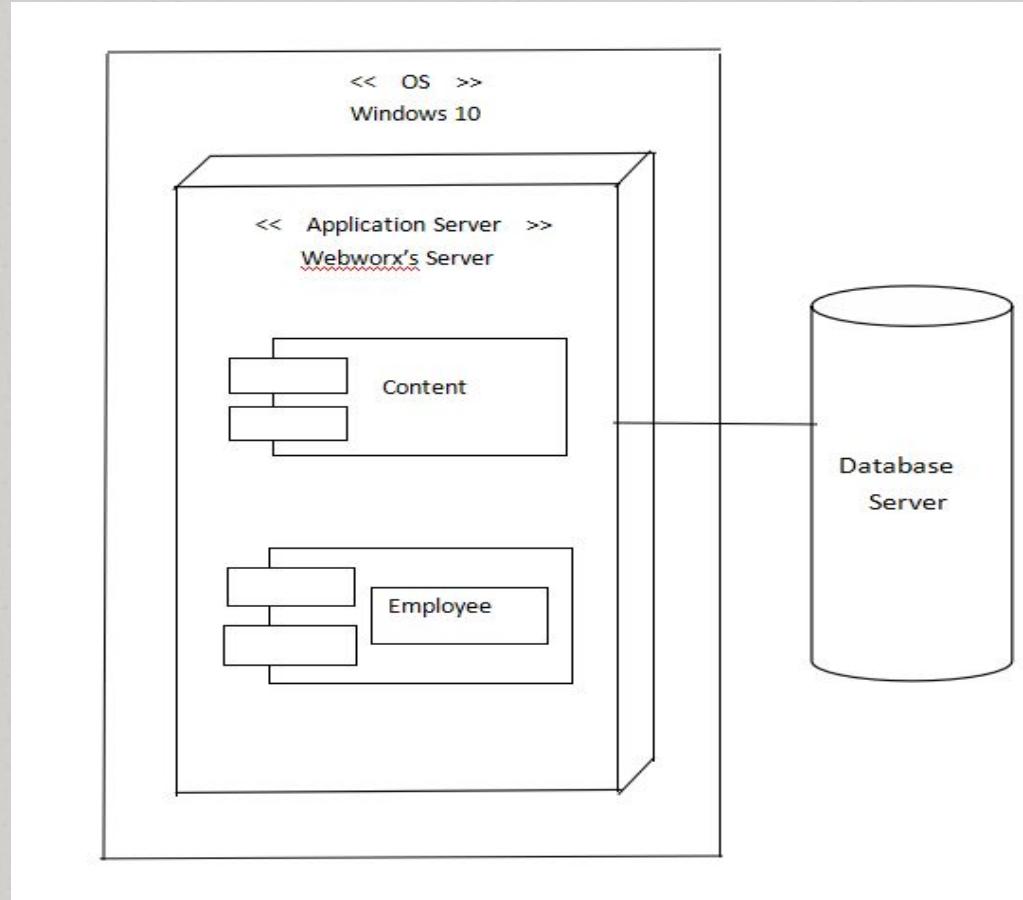
Collaboration Diagram:



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_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

Implementation Strategies

Package :-

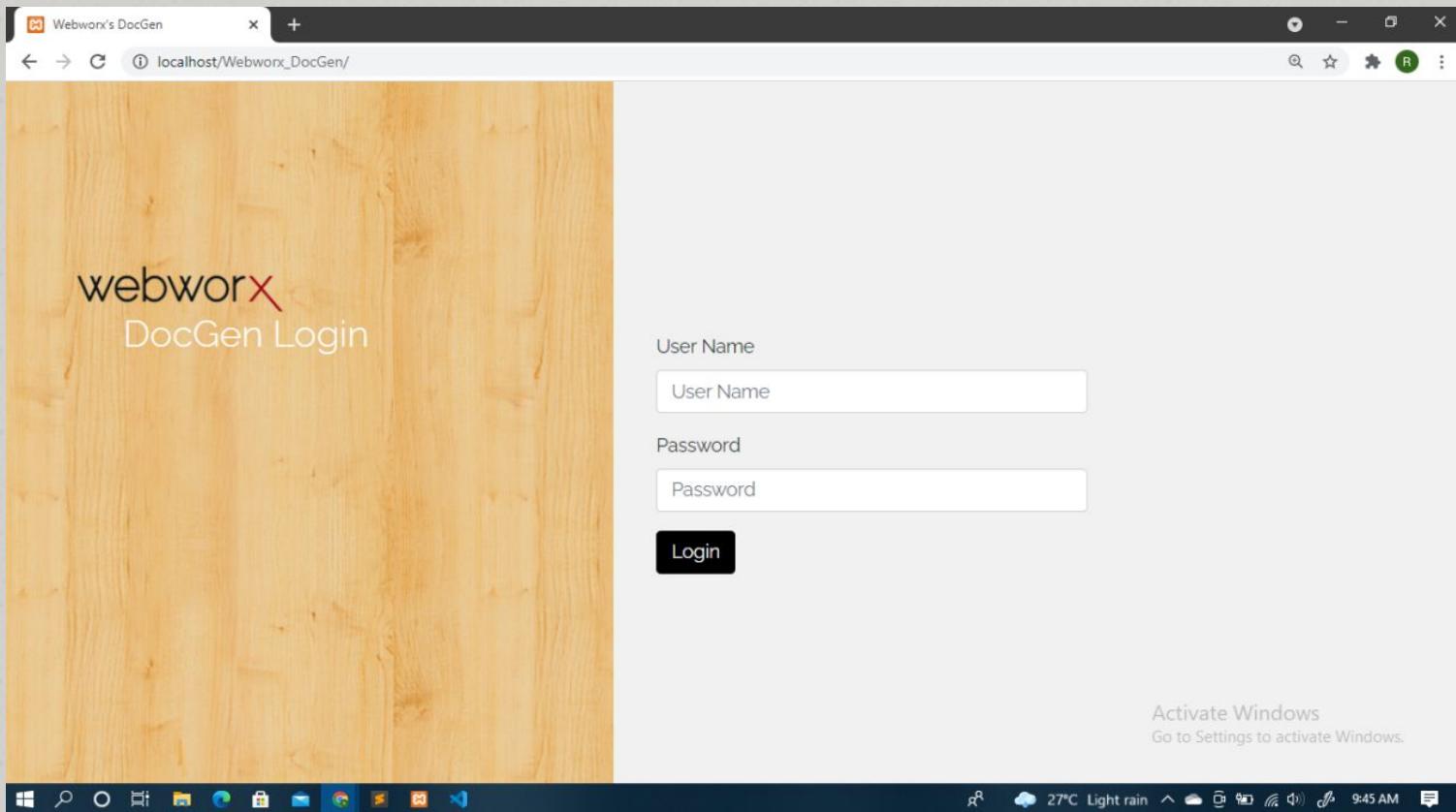
mPDF :-

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

- O* Tables - nested tables, rotated, or auto sized to fit on a page
- O* Table of contents
- O* Index
- O* Watermarks (with customizable text angle)
- O* Images in JPG, GIF, PNG, SVG, BMP or WMF format
- O* Password protection

Input Output Screens



Webworx Document Generator + ↻ ⌛ 🔍 ⌂ ⌂ ⌂

localhost/Webworx_DocGen/dashboard1.php

webworx

Dashboard

Welcome to Webworx's DocGen

Action ▾

4 EMPLOYEES 

3 DOCUMENTS 

1 CONTENTS 

56,150 COMMENTS 

i 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	Software Developer	Action ▾

Activate Windows
Go to Settings > Activate Windows.

Windows Search, Task View, File Explorer, Mail, Google Chrome, File Manager, Taskbar icons, Weather (27°C Light rain), Battery, Network, Volume, 9:46 AM, Chat

Webworx Document Generator + - X

localhost/Webworx_DocGen/dashboard1.php

webworx

X MENU

EMPLOYEES DOCUMENT_CONTENTS EXPORT_FILES SETTINGS

Dashboard Welcome to Webworx

All Employees Add Employee All Contents Internship Offer Letter Appointment Letter Internship Completion Certificate

Employee Excel Employee PDF 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	reavtipawar28@gmail.com	Software Developer	Action ▾
emp106	2021-06-17	Riya	xyz	2147483647	riyao6@gmail.com	Software Developer	Action ▾

Activate Windows Go to Settings > Activate Windows.



8 27°C Light rain 9:46 AM

Webworx Document Generator

localhost/Webworx_DocGen/dashboard1.php

webworx

Dashboard

Welcome to Webworx's DocGen

EMPLOYEES DOCUMENTS CONTENTS COMMENTS

Action View Employees Add Employee

4 3 1 56,150

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	Software Developer	Action

localhost/Webworx_DocGen/add_employee.php

Windows Taskbar: Search, File Explorer, Start, Edge, Google Chrome, File Manager, Task View, Taskbar Icons, Weather (27°C), Light rain, Battery, Volume, Network, 9:53 AM, Chat

Webworx Document Generator

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		<ul style="list-style-type: none">EditArchiveDocumentsOffer LetterAppointment LetterInternship Competition Certificate
emp103	2021-06-17	Utkarsha	Wakalkar	1236547890	utdw19@gmail.com		
emp104	2021-06-18	Ankita	Bahirat	1234567890	ankita1230@gmail.com		

Activate Windows Go to Settings to activate Windows.

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

Windows Search Start File Mail Internet Explorer Task View Taskbar 27°C Light rain 9:55 AM

Webworx's Document Generator

localhost/Webworx_DocGen/add_employee.php

webworx

Add Employee

New employee information will be added here

Action ▾

FILL YOUR EMPLOYEE INFORMATION HERE

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

Activate Windows
Go to Settings to activate Windows.



Webworx's Document Generator + X

localhost/Webworx_DocGen/add_employee.php

webworx

Employee Class: **Employee Position:**

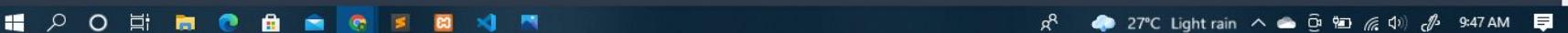
Employee Joining Date: Calendar icon **Training Period:**

Stipend: **Contact Person Name:**

Admin/HR Name: **Upload Image:** Browse

Submit

Activate Windows
Go to Settings to activate Windows.



27°C Light rain 9:47 AM

Webworx Document Generator x +

localhost/Webworx_DocGen/dashboard1.php

webworx 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	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

Activate Windows
Go to Settings to activate Windows.



Webworx's Document Generator

localhost/Webworx_DocGen/all_employees.php

webworx

ALL YOUR EMPLOYEES INFORMATION IS HERE

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	Action ▾
	Riya	xyz	riyao6@gmail.com	2021-06-30	Software Developer	animation	<ul style="list-style-type: none"><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 Completion Certificate
	Utkarsha	Wakalkar	utdw19@gmail.com	2021-07-01	Software Developer	IMG_20200713_005948_380.jpg	
	Ankita	Bahirat	ankita1230@gmail.com	2021-07-01	HR	animation	

Activate Windows
Go to Settings to activate Windows.

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

Windows Taskbar icons: Search, Start, File Explorer, Mail, Google Chrome, File Manager, Task View, Taskbar settings, Network, Battery, Volume, Network, Weather (27°C Light rain), Taskbar settings, 9:49 AM, Chat.

Webworx's Document Generator

localhost/Webworx_DocGen/edit_employee_details.php?employee_id=1

webworx

Edit Employee

Employee information will be edited here

Action ▾

EDIT YOUR EMPLOYEE INFORMATION HERE

You are editing employee 1 details.

Employee Code: emp101

Documentation Date: 06/16/2021

Employee First Name: Revati

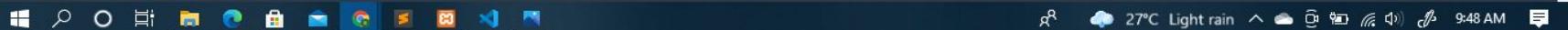
Employee Middle Name: Sanjay

Employee Last Name: Pawar

Employee Gender:

Female Male Other

Activate Windows
Go to Settings to activate Windows.



27°C Light rain 9:48 AM

Webworx's Document Generator

localhost/Webworx_DocGen/edit_employee_details.php?employee_id=1

webworx

Employee Contact Number:

Employee Email Address:

Employee Class:

Employee Position:

Employee Joining Date:

 Calendar icon

Training Period:

Stipend:

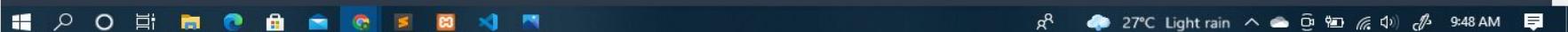
Contact Person Name:

Admin/HR Name:

Upload Image:

Update

Activate Windows
Go to Settings to activate Windows.



localhost/Webworx_DocGen/all_employees.php

webworx

All Employees

All employees information will be shown here

Action ▾

ALL YOUR EMPLOYEES INFORMATION IS HERE

Information	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	Action ▾
	Riya	xyz	riyao6@gmail.com	2021-06-30	Software Developer	animation	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Archive Documents Offer Letter Appointment Letter Activate Windows Internship Completion Certificate
	Utkarsha	Wakalkar	utdw19@gmail.com	2021-07-01	Software Developer	IMG_20200713_005948_380.jpg	
	Ankita	Bahirat	ankita1230@gmail.com	2021-07-21	HR	animation	

Windows Search icon Task View icon Start button Taskbar icons Weather icon Temperature 27°C Light rain Battery icon Volume icon Network icon 9:48 AM Chat icon

The screenshot shows a Microsoft Edge browser window with the title bar "Webworx Document Generator" and the tab "create_offer_letter.php". The URL in the address bar is "localhost/Webworx_DocGen/create_offer_letter.php?employee_id=1&employee_fname=Revati". The main content area displays a document titled "Internship Offer Letter" dated "2021-06-16". The document includes the candidate's name "Revati Sanjay Pawar" and class "M.S. (Computer Science) Part II". It addresses the recipient as "Dear: Revati," and confirms acceptance of an internship as "Software Developer" with Webworx. It outlines duties and assignments, listing tasks such as writing code, creating websites, and maintaining documentation. A "Activate Windows" watermark is visible in the bottom right corner of the document area.

Webworx

Internship Offer Letter

Date: 2021-06-16

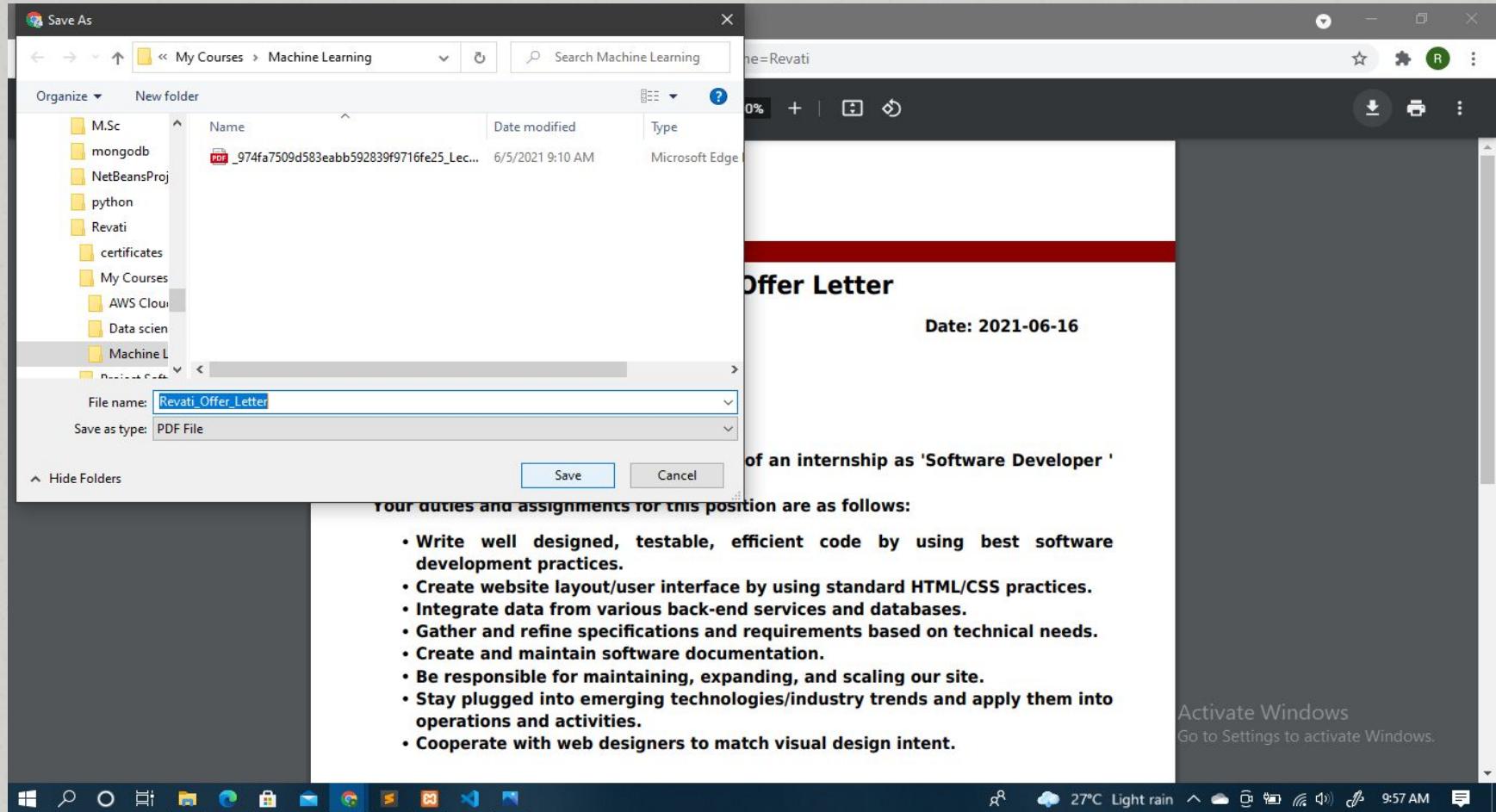
Candidate Name: Revati Sanjay Pawar.
Class: M.S. (Computer Science) Part II.

Dear: Revati,
I am pleased to confirm your acceptance of an internship as 'Software Developer' with Webworx.

Your duties and assignments for this position are as follows:

- 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.

Activate Windows
Go to Settings to activate Windows.



Webworx Document Generator

localhost/Webworx_DocGen/dashboard1.php

webworx

X MENU

EMPLOYEES DOCUMENT_CONTENTS EXPORT_FILES SETTINGS

Dashboard Welcome to W

All Employees Add Employee All Contents Internship Offer Letter Employee Excel Dashboard

Appointment Letter Employee PDF Logout

Internship Completion Certificate

4 EMPLOYEES DOCUMENTS CONTENTS COMMENTS

i 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	Software Developer	Action

Activate Windows Go to Settings to activate Windows.

27°C Light rain 9:46 AM

Webworx Document Generator +

localhost/Webworx_DocGen/edit_appointment_content.php

webworx MENU

Edit Content Content will be edited here Action ▾

TYPE YOUR EMPLOYEE INFORMATION OR CONTENT HERE

Appointment Letter

File Edit View Insert Format Tools Table

POWERED BY TINY

Update

Activate Windows
Go to Settings to activate Windows.

Windows 10 Taskbar: Search, Start button, Icons for File Explorer, Mail, Google Chrome, and others. Weather: 27°C Light rain. System: 9:51 AM.

This screenshot shows a web-based document editor titled 'Webworx Document Generator' running on a local host. The interface includes a top navigation bar with a search icon, a star icon, a refresh icon, and a menu icon labeled 'MENU'. Below the header is a section titled 'Edit Content' with a sub-instruction 'Content will be edited here' and a 'Action ▾' button. The main content area is a WYSIWYG editor titled 'Appointment Letter'. It features a toolbar with icons for file operations, text styles, tables, and other editing tools. A status bar at the bottom right indicates 'POWERED BY TINY'. At the bottom of the editor is a blue 'Update' button. The taskbar at the bottom of the screen shows standard Windows 10 icons for file explorer, mail, and browser, along with system status icons like battery level and signal strength. A weather widget on the taskbar displays '27°C Light rain'. The overall theme is professional and user-friendly.

Webworx Document Generator

localhost/Webworx_DocGen/edit_internship_completion_content.php

webworx

MENU

Edit Content
Content will be edited here

Action ▾

i TYPE YOUR EMPLOYEE INFORMATION OR CONTENT HERE

Internship Completion Certificate

File Edit View Insert Format Tools Table

为人图标 + 语音图标 Aa 三栏图标 <> 剪切图标 粘贴图标 删减图标 田图标

Internship Offer Letter

DIV

POWERED BY TINY

Update

Activate Windows
Go to Settings to activate Windows.

Windows Start button Search icon Task View icon File Explorer icon Mail icon Google Chrome icon Taskbar icons Weather icon 27°C Light rain Forecast icon Volume icon Battery icon 9:52 AM Chat icon

The screenshot shows a web-based document editor titled 'Webworx Document Generator'. The URL in the browser is 'localhost/Webworx_DocGen/edit_internship_completion_content.php'. The interface has a dark header with the 'webworx' logo and a 'MENU' button. Below the header is a section for 'Edit Content' with a placeholder 'Content will be edited here' and a 'Action' dropdown menu. A large text input area is labeled 'TYPE YOUR EMPLOYEE INFORMATION OR CONTENT HERE' with an information icon. The input area contains the text 'Internship Completion Certificate' and 'Internship Offer Letter'. A toolbar above the input area includes standard file operations like File, Edit, View, Insert, Format, Tools, and Table, along with specific icons for people, text, lists, and tables. A 'Tiny' editor watermark is visible in the bottom right of the input area. The status bar at the bottom displays system information: 'Windows' logo, search bar, task view, file explorer, mail, Google Chrome, battery level, weather (27°C, light rain), volume, battery, and the time (9:52 AM). A notification for 'Activate Windows' is also present in the status bar.

Webworx Document Generator x +

localhost/Webworx_DocGen/dashboard1.php

webworx

X MENU

EMPLOYEES DOCUMENT_CONTENTS EXPORT_FILES SETTINGS

Dashboard Welcome to W

All Employees Add Employee All Contents Internship Offer Letter Appointment Letter Internship Completion Certificate

Employee Excel Employee PDF Dashboard Logout

4 EMPLOYEES DOCUMENTS CONTENTS COMMENTS

i 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 ▾

localhost/Webworx_DocGen/Data_in_Excel.php

Activate Windows Go to Settings to activate Windows Show all

Employee_Data (4).xls

Windows Taskbar: 9:58 AM

27°C Light rain

WPS Office | Employee_Data (4).xls | Sign in | Go Premium | X

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

Paste Cut Copy Format Painter Calibri 11 A+ A- Merge and Center Wrap Text General Conditional Formatting AutoSum AutoFilter Sort Format Fill Rows and Columns

A1 employee_id

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	employee	emp101	6/16/2021	Revati	Sanjay	Pawar	Female	10/28/1998	2.147E+09	reavtipawa	103 Bahirat M.S. (Com	7/7/2021	Software D	6 months	9000	UTKARSHA	Purva Keska	IMC
2	2	emp106	6/17/2021	Riya	abc	xyz	Female	7/1/2021	2.147E+09	riya06@gm	103 Bahirat M.Sc. (Com	6/30/2021	Software D	6 months	9000	revati	Purva Keska	anil
3	3	emp103	6/17/2021	Utkarsha	Dattatrya	Wakalkar	Female	2/19/1998	1.237E+09	utdw19@gr	Kasba peth M.Sc. (Com	7/1/2021	Software D	6 months	9000	Revati	Purva Keska	IMC
4	4	emp104	6/18/2021	Ankita	Satish	Bahirat	Female	12/30/1996	1.235E+09	ankita1230(103	Bahirat M.B.A.	7/1/2021	HR	6 months	6000	Revati	Purva Keska	anil
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		

Activate Windows
Go to Settings to activate Windows.

Employee_Data (4) +

Windows 10 Taskbar: Search, File Explorer, Mail, Google Chrome, File Manager, Task View, Control Panel, Start, 9:59 AM, 27°C Light rain

Testing Strategies

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. Abc122312323 23235,As12@, etc	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. Abc1223	Should be accepted as it satisfies the pattern	Accepted	Pass
	Employee first name	[a-zA-Z] {1,32}	eg. 123abc, abc12, abc_12, 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. 123abc, abc12, abc_12, 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. 123abc, abc12, abc_12, 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 satisfies the pattern.	Accepted.	Pass

Employee Contact Number	$^{\wedge} [6-9] \{1\} [1-9] \{9\}$	eg. 4123678889, 12345, 34990033, etc.	Should not be accepted as it doesn't begin with [6-9] & doesn't contain 10 digits	Please enter valid contact.	Fail
Employee Contact Number	$^{\wedge} [6-9] \{1\} [1-9] \{9\}$	eg. 8796416049, etc.	Should be accepted as it matches the pattern.	Accepted.	Pass
Employee Email	Should contain one '@' and at least one :'	eg. 123abc.com lol@123, etc.	Should not be accepted as it doesn't follow the pattern.	Enter valid email address.	Fail
EmployeeEmail	Should contain one '@' & at least one :'	eg. revati@gmail.com, etc	Should be accepted.	Accepted.	Pass
Employee Address	$[a-zA-Z] \{1,32\}$	eg. 123abc, abc12, abc_12#@, etc.	Should not be accepted as it contains integer or special symbols	should contain letters only.	Fail
EmployeeAddress	$a-zA-Z] \{1,32\}$	If one of either is selected	Should be accepted as it satisfies the pattern	Accepted.	Pass

Employee Class	/[a-zA-Z0-9].eg. 123abc,]/ abc12, abc_12, 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].Part 1,etc.]/	eg. M.Sc. Should be accepted as it satisfies the pattern.	Accepted.	Pass
Employee position	[a-zA-Z] {1,32}	eg. 123abc, abc12, abc_12, etc	Should not be accepted as it contains integer or special symbols	Employee position should contain letters only
Employee position	[a-zA-Z] {1,32}	eg. Revati etc.	Should be accepted as it satisfies the pattern.	Accepted.
Training period	[1-9] 1[0-2]	eg. 122,0000a,etc	Should not be accepted as it doesn't satisfies the pattern.	Please enter valid Training period.
Training period	[1-9] 1[0-2]	eg. 1,2,10, etc	Should be accepted as it satisfies the pattern.	Accepted.

Stipend	$^{[0-9]*\$}$	eg. A1000,%43eras .4000/,etc.	Should not be accepted as it doesn't begin with stipend. [0-9] and doesn't contains alphabets and other characters.	Please enter valid	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. 123abc, abc12, abc_12, etc	Should not be accepted as it contains integer or special symbols	Contact person name should contain letters only	Fail
Contact person name	$[a-zA-Z] \{1,32\}$	eg. RevatiSanjay Pawar etc.	Should be accepted as it satisfies the pattern.	Accepted.	Pass
Admin / HR name	$[a-zA-Z] \{1,32\}$	eg. 123abc, abc12, abc_12, 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. RevatiSanj ay 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. Employees and Clients don’t have any access to it.
- Admin can only maintain details of employee, and documents content.
- Admin can generate documents only for the employee whose records are stored in the database.
- We can only generate documents whos content is already set into 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 I am generating documents and downloading it on our system, so I am 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 and tutorials.
- Bootstrap tutorials
- PHP tutorials.
- PDO tutorials.

Thank You!