

Abstract

When in final semester we were told to build a Minor-Project, the first thing which into my mind is to build an application that people could use to solve their problems based on some solution for real-world. Like there's Zomato for solving the problem of going outside for food. Uber for bringing up the gap between travelers and cab drivers. And I always use them and wandered about their whole system works, like so many people use them. So I decided to build one.

"Forms World" is an Application where users from all over India can apply for various Job and Govt. form applications to save them time. Forms World is a service provide platform that provide to people to fill their forms with the data which once they were given during KYC in the start. It makes users to directly apply to the form application if he is eligible without need of any hard-work.

Acknowledgement

It brings me great pleasure to finally complete the minor project in partial fulfillment of the prerequisite for the award of Bachelor computer application. I would like to thank Ms. Parull mam (project in-charge, BCA department) who was involved with me in this project to make it a success. I extend my heartfelt and profound gratitude to my respected faculty members for providing me the impulse to get this work on the ground.

Date:	Mr. Shubham Dahiya
	(20012041042)

Certificate

This Is to certify that Project Report entitled "Forms World" which is submitted by Shubham (20012041042) has been successfully completed and submitted In partial fulfillment of the requirement for the requirement for the award of Degree Bachelor of Computer Applications In Computer Science, Hindu Institute Of Management, DCRUST (Deenbandhu Chotu Ram University Of Science And Technology), Murthal, Sonipat. Is a record of the candidate's work carried out by him under the supervision of undersigned. The matter embodied in this report is original and has not been submitted for the award of any other degree.

This Performance was good during the tenure.

Date:	Ms. Parull Bhardwaj
-------	---------------------

Declaration

I here declare that all the work presented in this project report entitled 'Forms World' in the partial fulfillment of the requirement for the award of the degree of BCA (Bachelor of Computer Application), Hindu institute of management, DCRUST (Deenbandhu Chotu Ram University of Science and Technology), Murthal is and authentic record of our own work carried out under the guidance of Ms. Parull Bhardwaj Mam.

Date: Mr.Shubham Dahiya (20012041042)

Table of Contents

S. No	Contents	Page No.
1	Introduction to Technologies Used	
	1.1 Introduction to HTML	1
	1.2 Introduction to CSS	2
	1.3 Introduction to React JS	3
	1.4 Introduction to Node JS	4
	1.5 Introduction to Express JS	5
	1.6 Introduction to Mongo DB	5
	1.7 introduction to Firebase	6
2	System Analysis	
	2.1 Introduction	8
	2.2 Identification of Need	9
	2.3 Preliminary Investigation	10
3	Feasibility Study	
	3.1 Introduction	12
	3.2 Goals & Objectives	14
	3.3 Technical Feasibility	15
	3.4 Potential Risks	16
	3.5 Economic Feasibility	17
4	System Analysis	
	4.1 Introduction	19
	4.2 Functional Requirements	20
	4.3 Non-Functional Requirements	22
5	Project Monitoring System - Planning	
	5.1 Introduction	24
	5.2 Gantt Chart	25
6	System Requirement and Specification	
	6.1 Introduction	27
	6.2 Hardware Requirements	28
	6.2 Software Requirements	28
7	System Design	
	7.1 Introduction	29
	7.2 Architecture	30
	7.3 Components	30
8	Flow Chart	33

9	Data Modelling Description	
	9.1 Introduction	35
	9.2 List of Tables	35
	9.3 ER Diagram	38
	9.4 Entity Relationship Dictionary	42
10	Data Flow Diagram	45
11	Project Design	
	11.1 Database Design	49
	11.2 Screen Design	52
12	Testing	65
13	System Implementation	
	13.1 Introduction	99
	13.2 System Architecture	100
	13.3 Front-End Implementation	101
	13.4 Backend Implementation	103
	13.5 Database Implementation	104
	13.6 Deployment and Hosting	106
14	Conclusion	107
15	Future Enhancements	108

List of Tables

5.1 Gantt Chart of Forms World	26
9.1 Users Database Model	35
9.2 Users KYC Model	36
9.3 Forms Model	36
9.4 Orders Model	37
9.5 Payments Model	37
12.1 Signup and Login Testing	67
12.2 User kyc Testing	74
12.3 Updating Password Testing	84
12.4 Signout Testing	85
12.5 Services Testing	85
12.6 Admin/Active Testing	89
12.7 Admin/Orders Testing	95

List of Figures

3.1 Feasibility Study Phases	.12
7.1 Flow Chart of Forms World	34
6.1 Entity Relationship diagram	.39
6.2 Entity Relationship diagram Continued	40
9.1 0 level – DFD	46
9.2 1 st level – DFD	47
9.3 2 nd level – DFD	48
12.1 Types of Testing	.65