Project Report

On

"WIDOW WELFARE ASSOCIATION MANAGEMENT SYSTEM"

Designed and Developed

Ву

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Roll No:97

For the PARTIAL FULFILMENT of Degree of

Bachelors of Science (COMPUTER SCIENCE)

UNIVERSITY OF MUMBAI

SEM VI

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UNDER THE GUIDANCE OF

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S.K. Somaiya Degree College of Arts, Science and Commerce

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MUMBAI-400 077

ACKNOWLEDGEMENT

I have great pleasure in representing this project report entitled "Widow Welfare Association Management System" and I grab this opportunity to convey my immense regards towards all the distinguished people and who have their valuable contribution in the hour of the need.

I would like to thank our honourable Principal Dr MANALI LONDHE for granting us different facilities to do the project under the guidance of our faculty. Because of their support this project was a success.

I take this opportunity to thank Prof. Shriniwas Acharya, Coordinator of the Department and all the professors of the Department of Computer Science of S. K. Somaiya Degree College of Arts, Science & Commerce, for giving me an opportunity to complete this project and the most needed guidance throughout the Programme.

I am extremely grateful to my project guide Prof. Shriniwas Acharya for his valuable guidance and necessary support during each phase of the project. He was the source of continuous encouragement as each milestone was crossed.

A special thanks to the University Of Mumbai for having prescribed this project work to me as a part of the academic requirement in the final year of my Bachelor of Science in Computer Science.

> Sincere thanks from, (SAMIKSHA RAJESH SHETTY)

INTRODUCTION

Project Title:

Widow Welfare Association Management System

Introduction:

The purpose of the Widow Welfare Association Management System is to automate the existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy access and manipulation of the same. The required software and hardware are easily available and easy to work with. This can lead to an error-free, secure, reliable, and fast management system. The project describes how to manage the data.

Objectives:

The main objective of the system is to manage the details of widows, volunteers and donations . This is only accessed by the admin. So the confidentiality of the data is maintained. The main objective of this system is to manage details of the rooms such as which room is activated and available for a member (widow) to use. The admin can add new members (widows) and also allocate them rooms only which are activated and available for use. He must add their basic information and also add if they want any training so they can look for jobs. He can also update and delete their details. The members are paid ₹5000 monthly for basic requirements. All the data of the members can be seen even if they have left. The admin can add details of new volunteers and also update and delete their records. He can also see all the volunteer details even if they have resigned. The admin can add details of donations done and can also generate invoices and download it. He can also see all the donations done.

- 1. Easy and user friendly interface.
- 2. Keeps track of all the information such as new and old members, volunteers & donations.
- 3. All the fields in the system like the email address, phone number, aadhar card etc, are validated and do not take invalid values.
- 4. Also generates invoices of donations.

Advantages :

- Avoiding local storage of data.
- Reduces the chance of losing data by hardware failure.
- Easy and friendly user interface.
- Reduce time.
- Minimize manual data entry.
- Greater efficiency.

• Limitation:

- 1. If the same person does the donation twice we will have to enter all the details again.
- 2. Once training records of members are added it can not be changed.
- 3. You can not insert pictures of documents such as aadhar card etc.
- 4. The payment to the member can not be changed.

REQUIREMENT SPECIFICATION

Software Specifications:

FRONTEND: Java NetBeans 8.2

BACKEND: MySQL 8.0

Hardware Specifications:

PROCESSOR: Intel Core i5

HARD DISK: 256GB

RAM: 8GB

OPERATING SYSTEM: 64-bit Windows 10

DESIGN PHASE

E-R DIAGRAM

An entity—relationship model describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types and specifies relationships that can exist between entities.

FLOW CHART

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also be defined as a diagrammatic representation of an algorithm, a systematic approach to solving a task. The flowchart shows the steps as boxes of various kinds, and their order by connecting the boxes with arrows.

CLASS DIAGRAM

A class diagram in the Unified Modeling Language is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations, and the relationships among objects.

ACTIVITY CHART

The activity diagram used to describe flow of activity through a series of actions. Activity diagram is an important diagram to describe the system. The activity described as an action or operation of the system.

USE CASE DIAGRAM

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved.

SEQUENCE DIAGRAM

A sequence diagram shows object interactions arranged in time sequence. It depicts the objects involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario. Sequence diagrams are typically associated with use case realizations in the Logical View of the system under development. Sequence diagrams are sometimes called event diagrams or event scenarios.

DATABASE DIAGRAM

Database design is the organization of data according to a database model. The designer determines what data must be stored and how the data elements interrelate. With this information, they can begin to fit the data to the database model. Database management system manages the data accordingly.

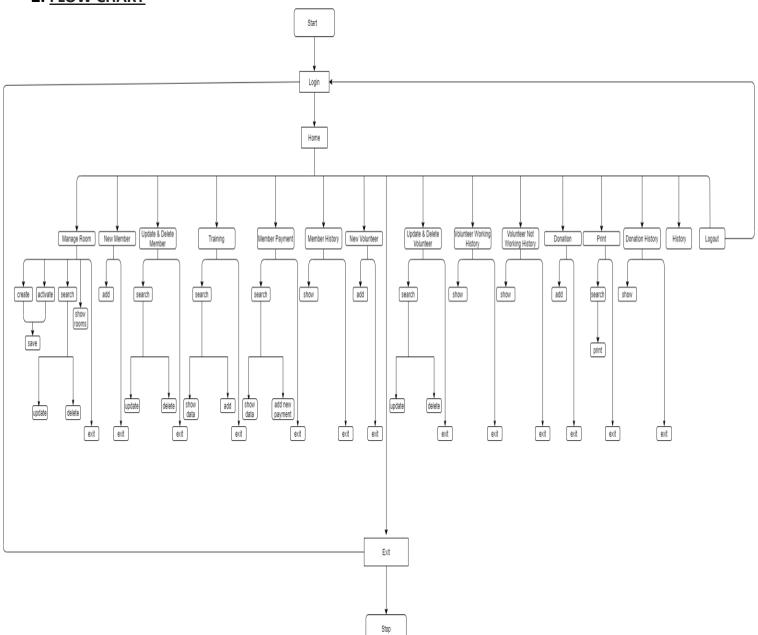
1. E-R DIAGRAM mobile number name husband name mobile number death cause previous training email start day MEMBER TRAINING REPORT joins child end day education training required type of training aadhar room number receives requires status mobile number PAYMENT month amount room number ROOMS donor ID active room status name father name mobile number mother name Date of Birth name DONATION father name mobile number mother name gender email id VOLUNTEER email id address date aadhar number money

address

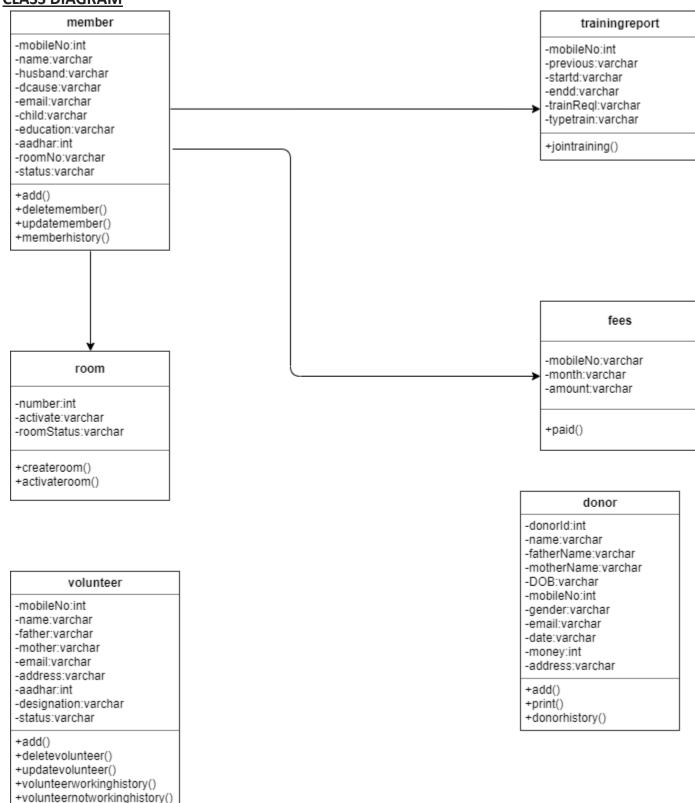
designation

status

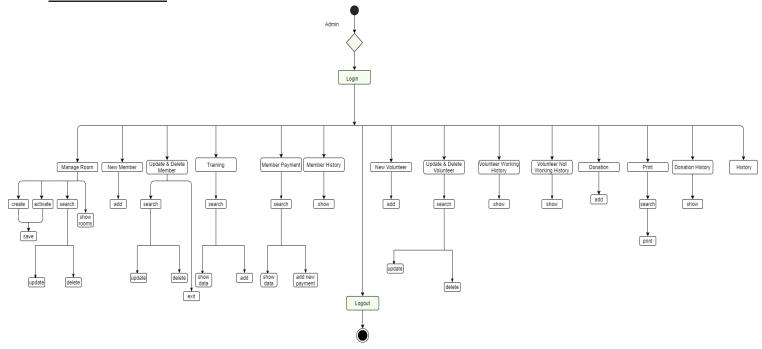
2. FLOW CHART



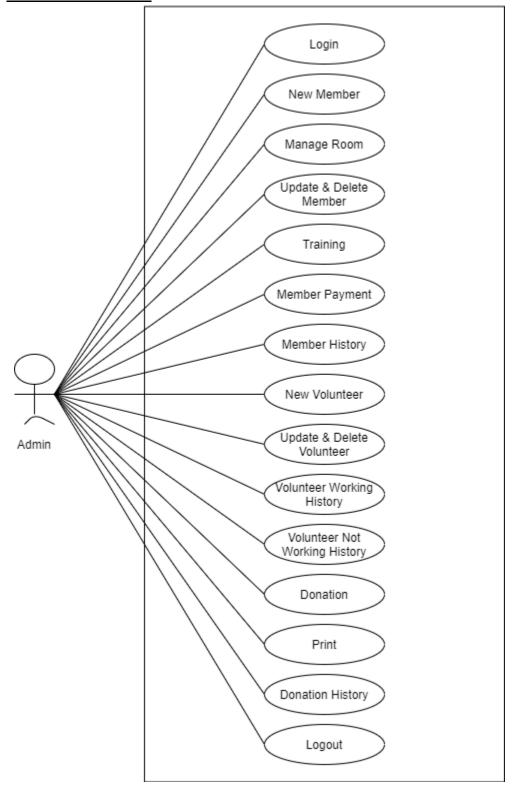
3. CLASS DIAGRAM



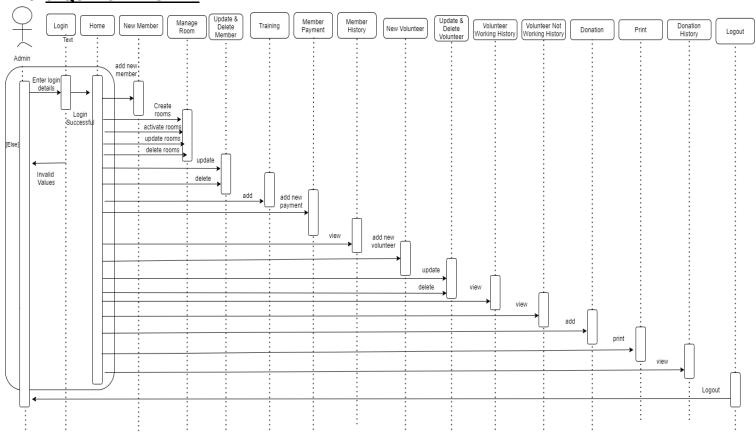
4. ACTIVITY CHART



5. **USE CASE DIAGRAM**



6. **SEQUENCE DIAGRAM**



7. DATABASE DIAGRAM

I. room

Field	Type	Null	Key	Default	Extra
number	int	NO NO	+ PRI	NULL	
activate	varchar(50)	YES		NULL	İ
roomStatus	varchar(50)	YES		NULL	

II. member

Field	Туре	Null	Key	Default	Extra
mobileNo	int	NO NO	PRI	NULL	
name	varchar(200)	YES	j	NULL	i
husband	varchar(200)	YES	j	NULL	İ
dcause	varchar(200)	YES	ĺ	NULL	
email	varchar(200)	YES		NULL	
child	varchar(200)	YES	ĺ	NULL	
education	varchar(100)	YES		NULL	
aadhar	int	NO	UNI	NULL	
roomNo	varchar(10)	YES		NULL	
status	varchar(20)	YES		NULL	

III. trainingreport

Field	Type	Null	Key	Default	Extra
mobileNo	int	NO NO	PRI	NULL	į.
previous	varchar(100)	YES	į	NULL	
startd	varchar(11)	YES		NULL	
endd	varchar(11)	YES		NULL	
trainReq	varchar(5)	YES		NULL	
typetrain	varchar(20)	YES		NULL	

IV. fees

Field	Type	Null	Key	Default	Extra
mobileNo	varchar(10)	YES		NULL	
month	varchar(50)	YES	i i	NULL	İ
amount	varchar(50)	YES	i i	NULL	İ

V. volunteer

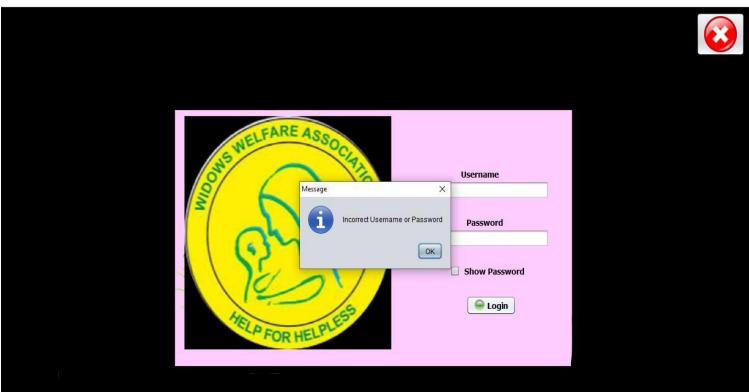
Field	Type	Null	Key	Default	Extra
mobileNo	int	NO NO	PRI	NULL	
name	varchar(200)	YES		NULL	ĺ
father	varchar(200)	YES	ĺ	NULL	ĺ
mother	varchar(200)	YES	ĺ	NULL	ĺ
email	varchar(200)	YES	ĺ	NULL	ĺ
address	varchar(200)	YES	ĺ	NULL	İ
aadhar	int	YES	ĺ	NULL	
designation	varchar(100)	YES	ĺ	NULL	İ
status	varchar(50)	YES	İ	NULL	į .

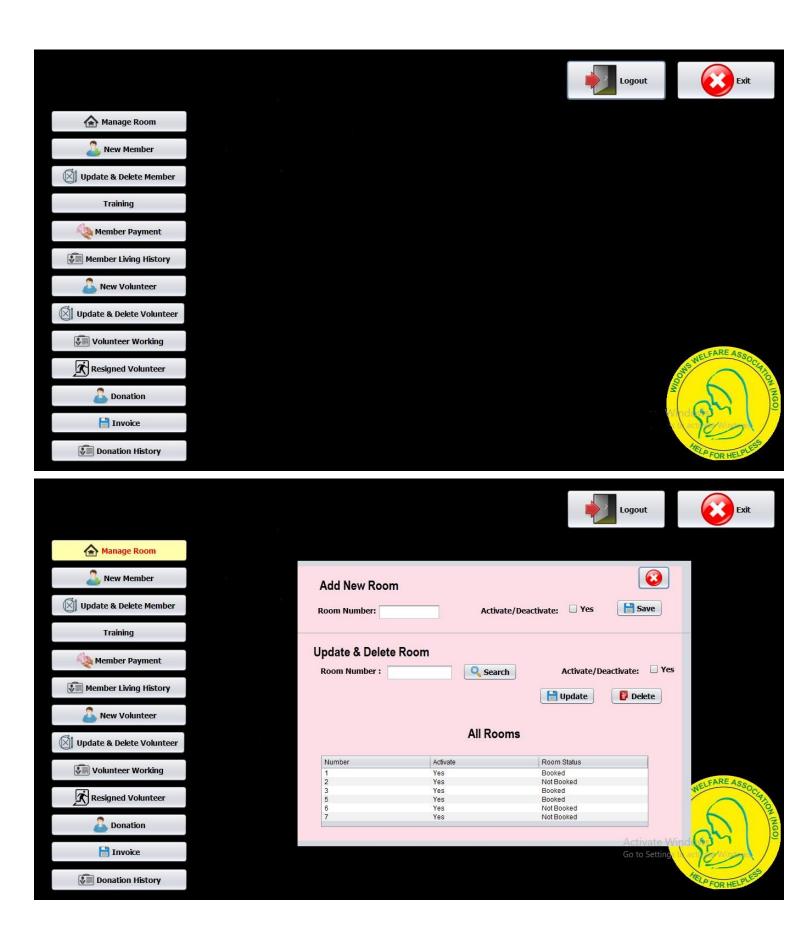
VI. donor

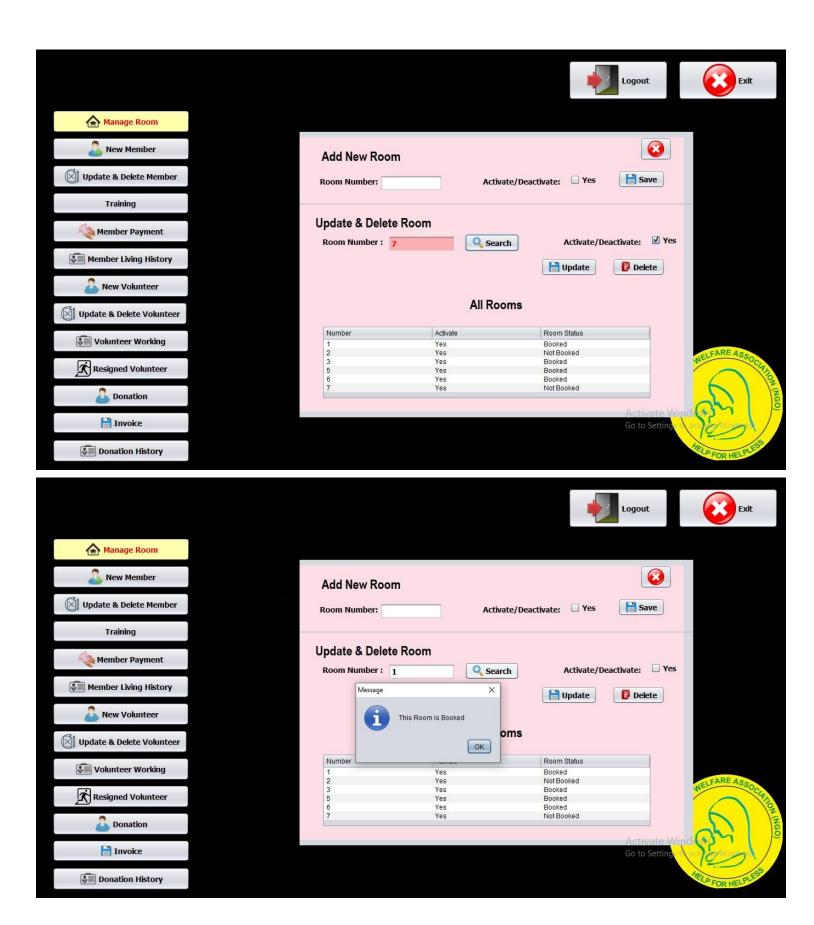
Field	Type	Null	Key	Default	Extra
donorId	int	NO NO	PRI	NULL	i
name	varchar(100)	YES	İ	NULL	İ
fatherName	varchar(100)	YES	ĺ	NULL	ĺ
motherName	varchar(100)	YES	İ	NULL	İ
DOB	varchar(100)	YES	ĺ	NULL	ĺ
mobileNo	int	YES	ĺ	NULL	ĺ
gender	varchar(10)	YES	ĺ	NULL	ĺ
email	varchar(100)	YES	ĺ	NULL	ĺ
date	varchar(100)	YES	ĺ	NULL	İ
money	int	YES	ĺ	NULL	İ
address	varchar(500)	YES	ĺ	NULL	İ

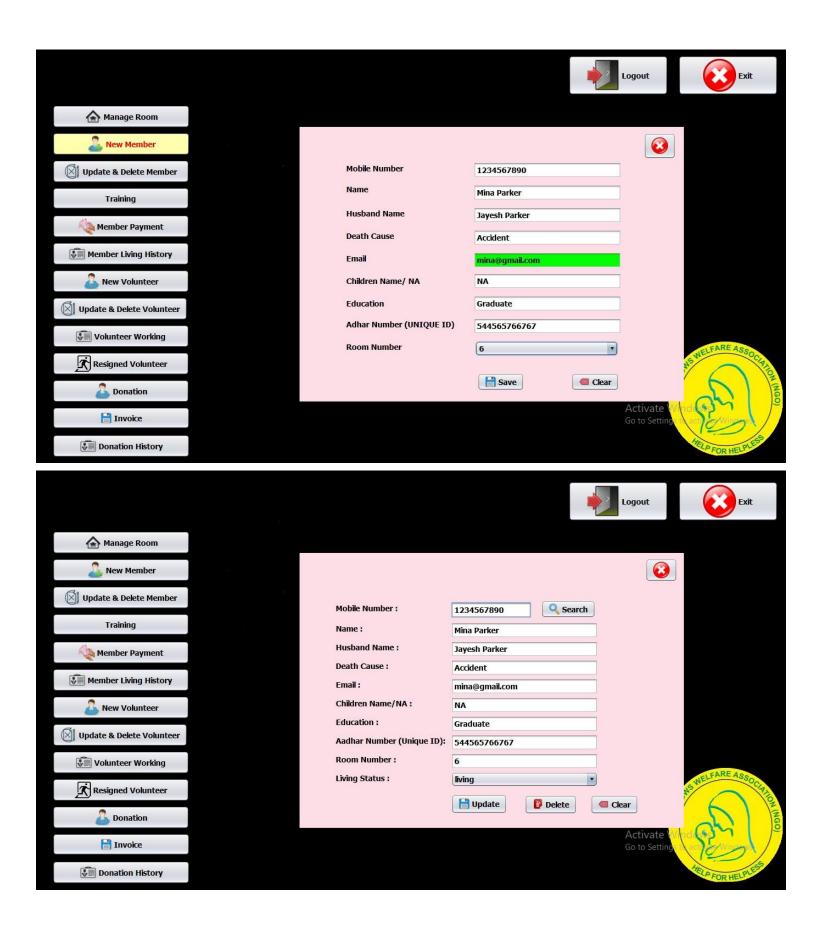
Screenshots of Application

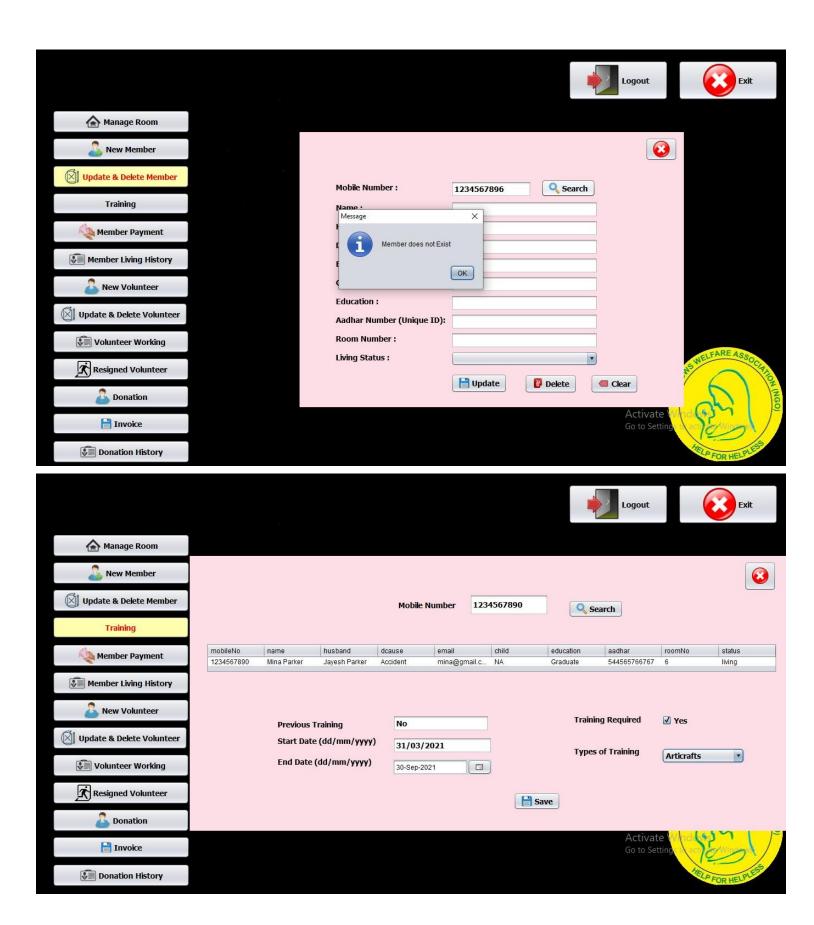


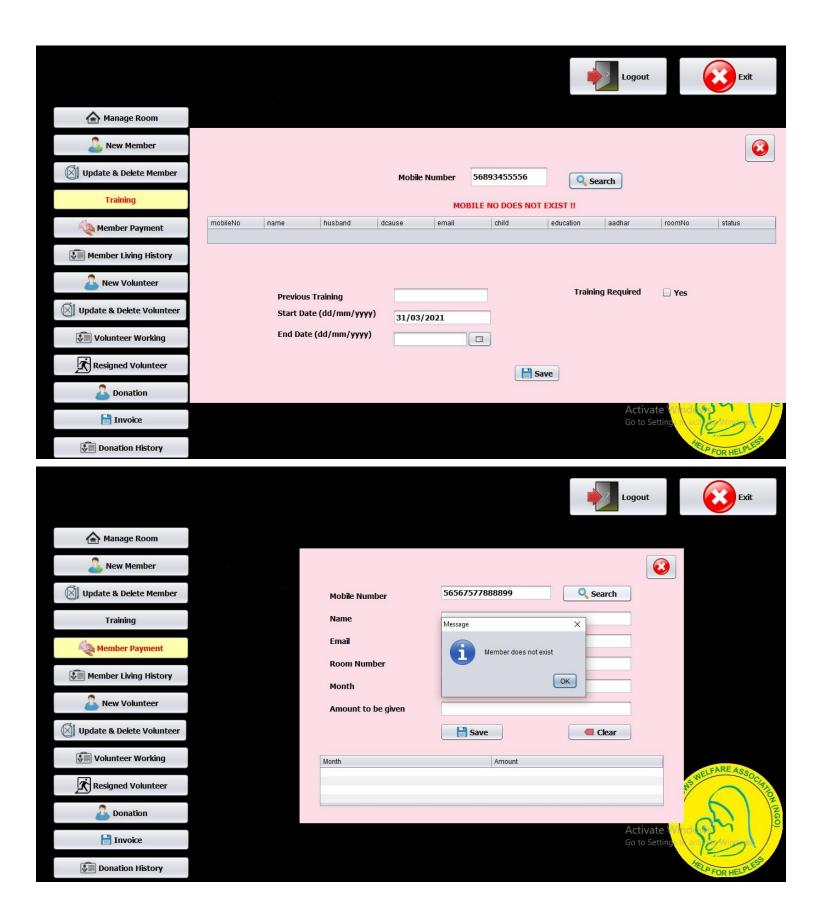


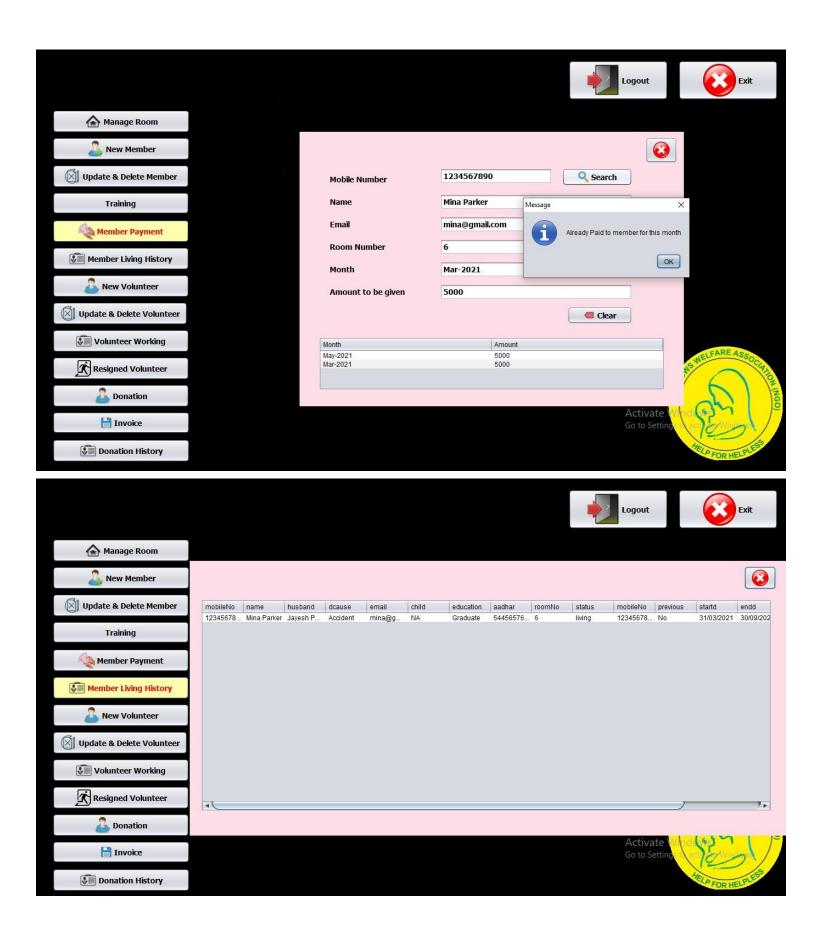


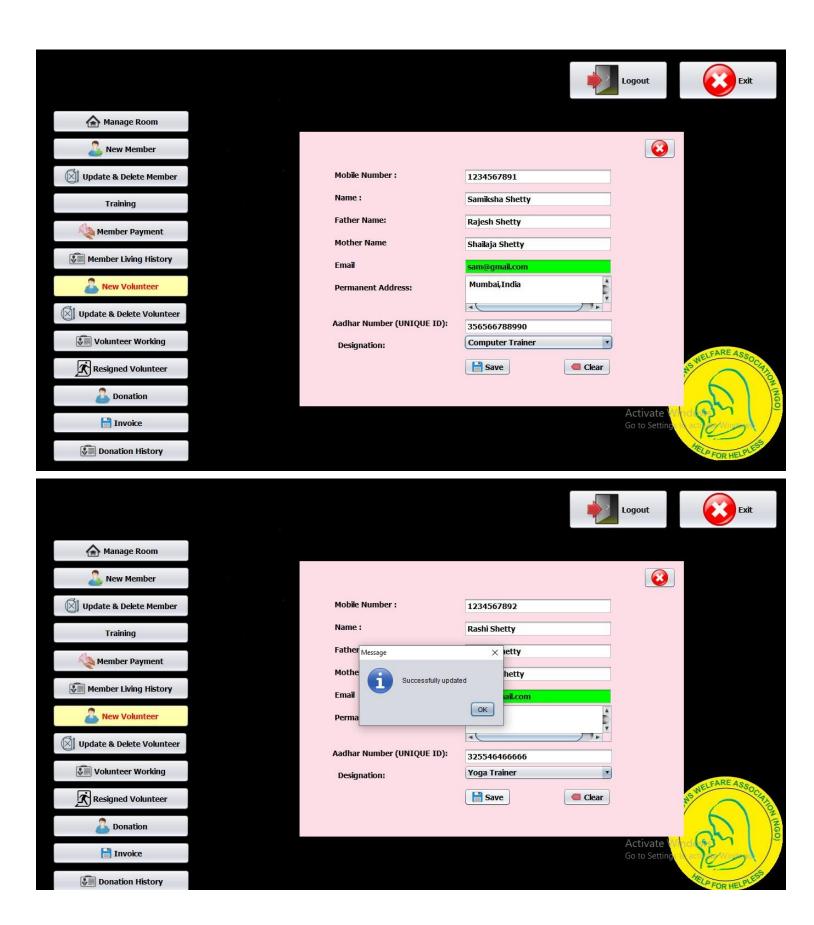






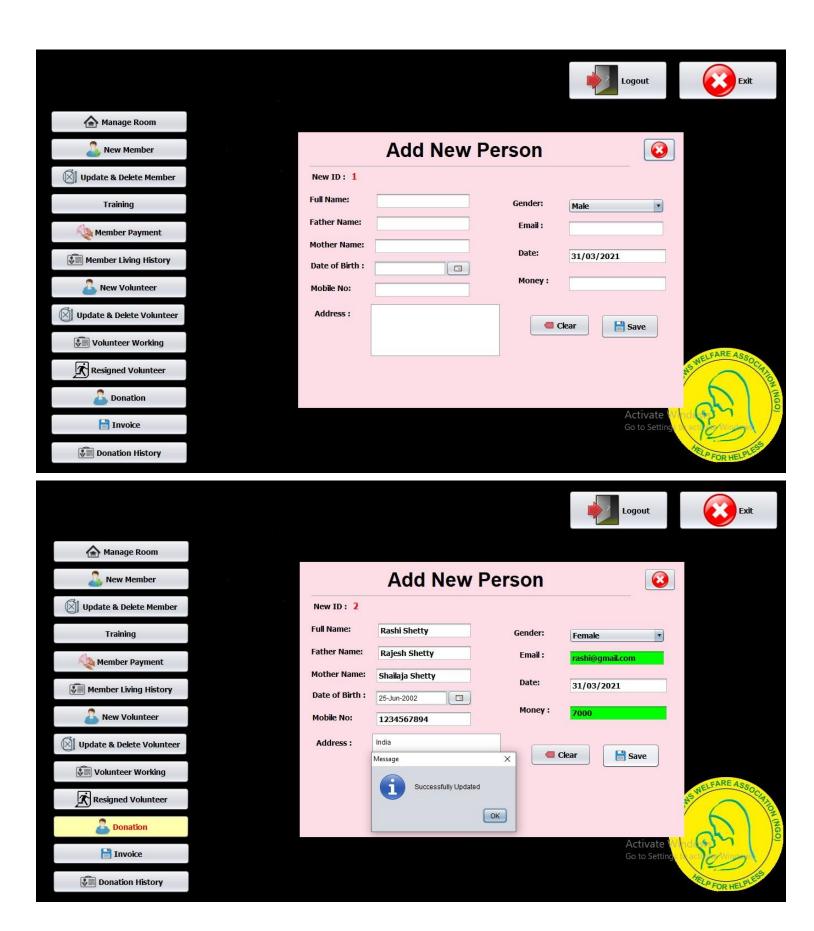


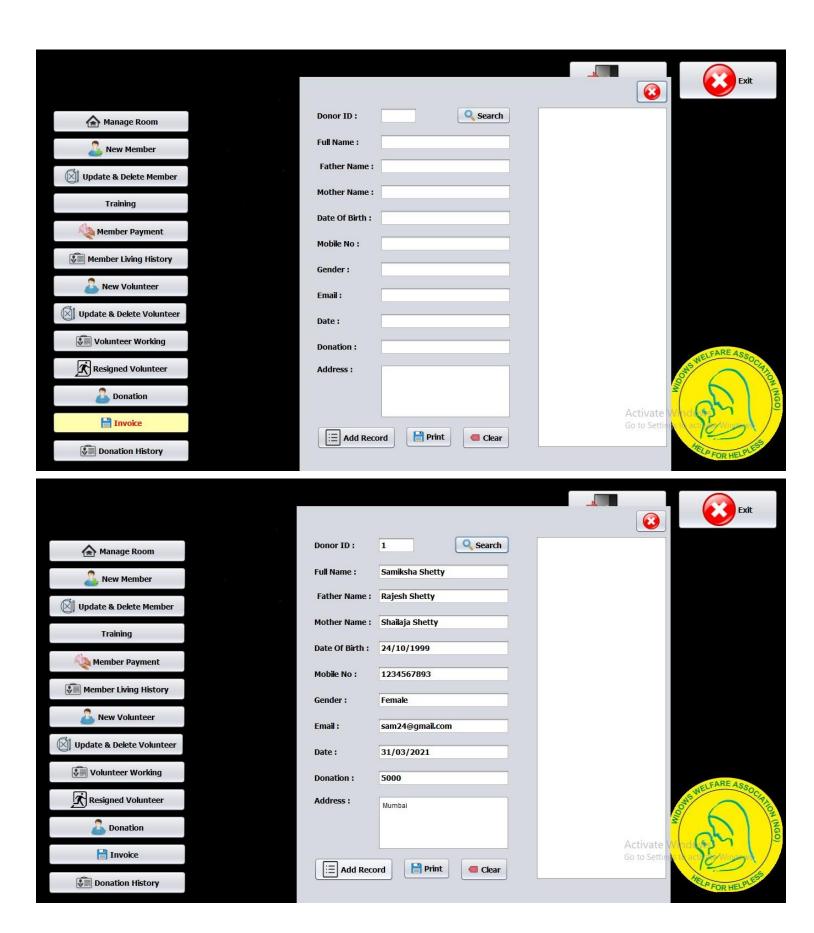


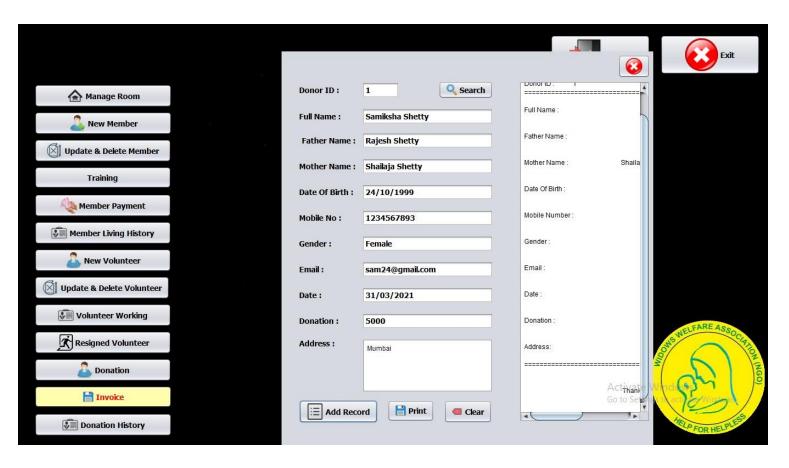


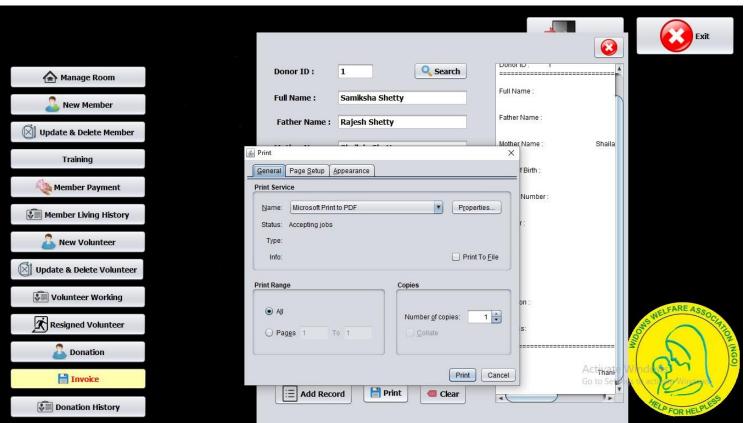




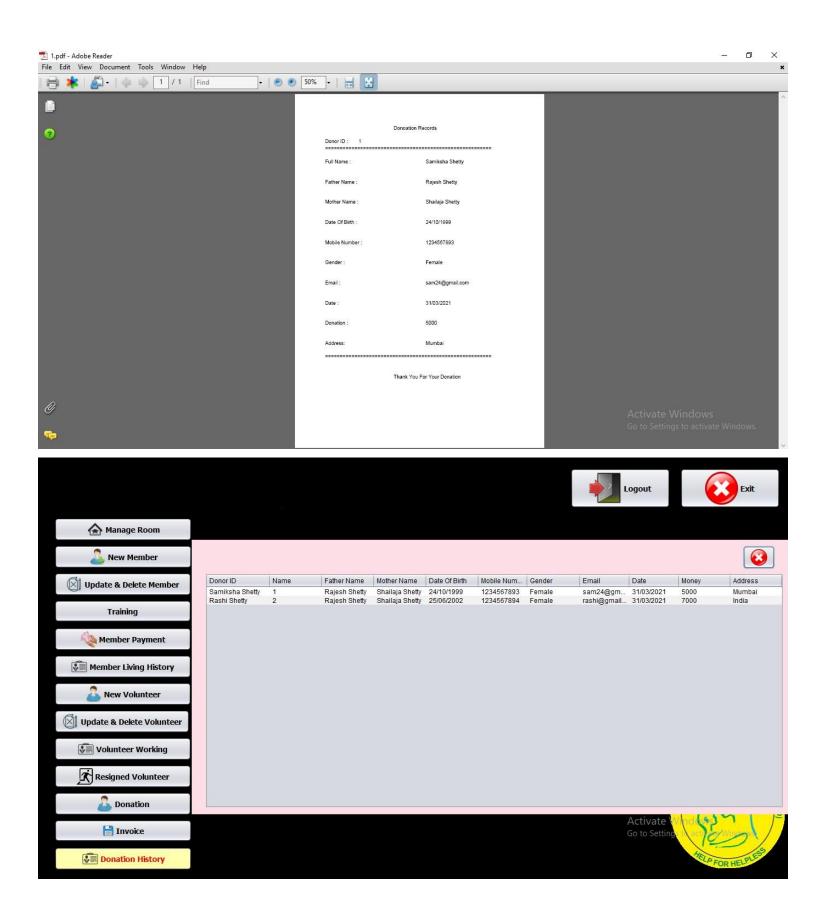






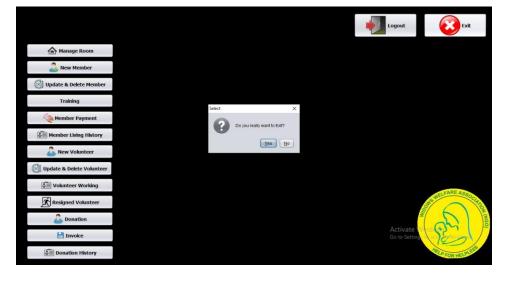


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TESTING PHASE

UNIT TESTING

Unit testing is a testing technique in which modules are tested individually. Small individual units of source code are tested to determine whether it is fit to use or not. Different modules of games are put to test while the modules are being developed. Here modules refer to individual levels, players, scenes.

INTEGRATION TESTING

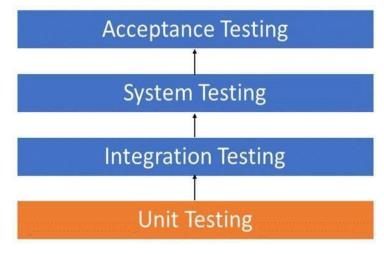
Integration testing is the technique in which individual components or modules are grouped together and tested. It occurs after testing. The input for the integrated testing are the modules that have already been unit tested.

SYSTEM TESTING

System testing is conducted on the entire system as a whole to check whether the system meets its requirements or not. 'ValarMorghulis' was installed on different systems and any errors or bugs that occurred were fixed.

ACCEPTANCE TESTING

User Acceptance is defined as a type of testing performed by the Client to certify the system with respect to the requirements that was agreed upon. This testing happens in the final phase of testing before moving the software application to the Market or Production environment.



DATABASE SCREENSHOTS

member



room



fees

mobileNo	month	amount
8097343893	Mar-2021	5000
1234567890	May-2021	5000
1234567890	Mar-2021	5000

trainingreport



← T→ ▼		mobileNo	previous	startd	endd	trainReq	typetrain	
	Ø Edit 3€ Copy	Delete	1234567890	No	31/03/2021	30/09/2021	YES	Articrafts

volunteer



donor

+ Opti	ons												
← T	→	$\overline{}$	donorld	name	fatherName	motherName	DOB	mobileNo	gender	email	date	money	address
	Ø Edit ≩ Copy	o Delete	1	Samiksha Shetty	Rajesh Shetty	Shailaja Shetty	24/10/1999	1234567893	Female	sam24@gmail.com	31/03/2021	5000	Mumbai
	Ø Edit 3 € Copy	O Delete	2	Rashi Shetty	Rajesh Shetty	Shailaja Shetty	25/06/2002	1234567894	Female	rashi@gmail.com	31/03/2021	7000	India

FUTURE ENHANCEMENT

These following future enhancements can be made to the project

• If the same person does the donation twice we do not have to enter all the details again. •Once training records of members are added then it can be changed. • You can also insert pictures/pdf of documents such as aadhar card etc • The payment to the member can be changed.

REFERENCES

While developing the application, reference materials from the following resources were taken:

- www.youtube.com
- www.google.co.in