

Project title:

Project Management System

Users (Actors):

- Customer
- Project manager
- Company Owner

Project Scope:

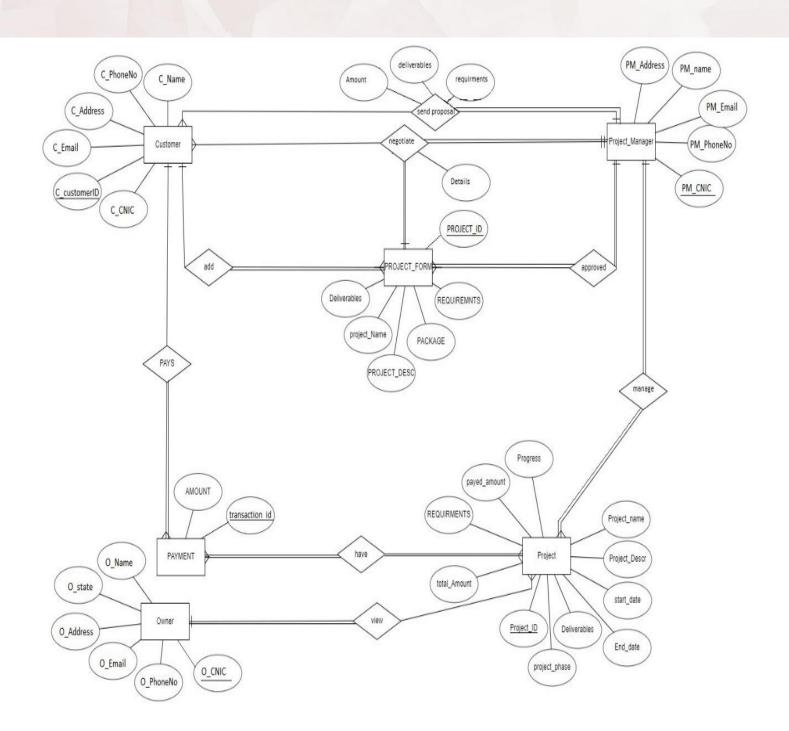
Project management system helps in managing the different aspects of projects. The scope of this project is to provide the facilities to the users. User can choose the category of category (basic, Standard, premium). User can add proper details and requirements of his project. The project manager will view and check the project details and assign the task to the team members. The manager will update daily progress of the project. The manager and customer will discuss the details of deadlines and deliverables. The customer can pay online. The owner can view the details of all projects including pending date running projects and completed projects.

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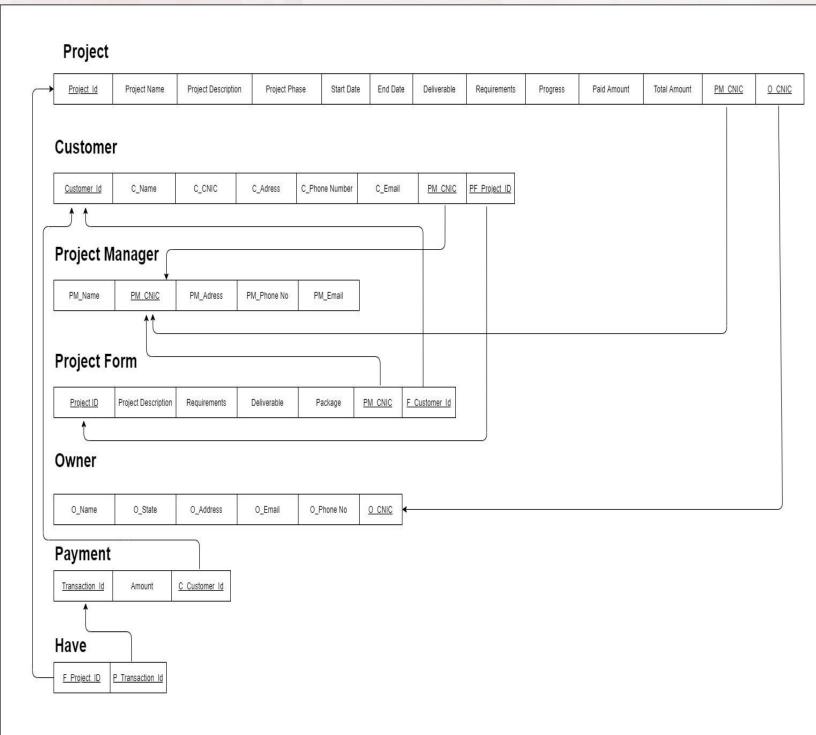
Functional Requirements

- FR-01: Customer can add functional requirements.
- FR-02: Customer can select project category.
- FR-03: Customer can select the no. of deliverables.
- FR-04: Customer can add non functional requirements.
- FR-05: Customer can add business requirements.
- FR-06: Customer can add user requirements.
- FR-07: Customer can negotiate with project manager.
- FR-08: Customer can pay online.
- FR-09: Customer can select the deliverables date.
- FR-10: Customer can view the running progress of his project.
- FR-11: Customer can change the requirements before implementation.
- FR-12: Customer can assign project to the company.
- FR-13: Project manager can accept project proposal.
- FR-14: Project manager can negotiate with customer.
- FR-15: Project manager can assign the task to the team members.
- FR-16: Project manager can update daily progress.
- FR-17: Project manager can sort the projects in three categories (pending, running and completed).
- FR-18: Project manager can cancel the project proposal.
- FR-19: Project manager can add the payments of each project.
- FR-20: Project manager can send a proposal to customer (including, deliverables dates, valid requirements, required cost, required system, etc.).

ER Diagram:



Relational Mapping:



Normalization:

Project:

Project

1NF

Project Lid Project Name Project Description Project Phase Start Date End Date Deliverable Requirements Progress Paid Amount Total Amount PM_CNIC

2NF

Project_Id	Project Name	Project Description	Project Phase	Start Date	End Date	Deliverable	Requirements	Progress	Paid Amount	Total Amount

Project_Id PM_CNIC O_CNIC

3NF

Project_ld PM_CNIC O_CNIC

Customer:

Customer

1NF

!	Customer_Id	C_Name	C_CNIC	C_Address	C_Phone Number	C_Email	PM_CNIC	PF_Project_ID
- 1								

2NF

Customer_Id	C_Name	C_CNIC	C_Address	C_Phone Number	C_Email
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Customer_Id	PM_CNIC	PF_Project_ID
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3NF

Customer_Id	PM_CNIC	PF_Project_ID
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Project Manager:

Project Manager

1NF

PM_Name	PM_CNIC	PM_Address	PM_Phone No	PM_Email
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2NF

Name	CNIC	Adress	Phone No	Email

CNIC

3NF

CNIC

Project Form:

Project Form

1NF

Project_ID	Project Description	Requirements	Deliverable	Package	PM_CNIC	F_Customer_Id
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2NF

E	roject_ID	Project Description	Requirements	Deliverable	Package
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Project_ID	PM_CNIC	F_Customer_Id

3NF

Project_ID	PM_CNIC	F_Customer_Id
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Owner:

Owner

2NF

O_Name O_State O_Address O_Email O_Phone No O_CI	O_Name
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3NF

O_CNIC

Payment:

Payment

3NF

Transaction_ld C_Customer_ld Amount

Have:

Have

3NF

F_Project_ID P_Transaction_Id