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Table of Contents

1. Textual Analysis	4
1.1 Relation Between User and Comment.....	4
1.2 Relation Between User and project	4
1.3 Relation Between User and Task	5
1.4 Relation Between Project and Task	5
1.5 Relation Between Project and Milestone	6
1.6 Relation Between Task and Comment	6
1.7 Relation Between Task and Resource	7
1.8 Relation Between Task and Subtask.....	7
2. Initial ERD	8
3. Normalization	9
3.1 1NF	10
3.2 2NF	10
3.3 3NF	11
4. Final ERD	12
5. DDL Preview	13
5.1 User table.....	13
5.2 Task Table.....	14
5.3 Comment Table	15
5.4 Resource Table	16
5.5 Subtask Table	17
5.6 Project Table	18
5.7 Milestone Table.....	19
5.8 UserTask Table	20
5.9 UserProject Table.....	21
6. Table Insert	22
6.1 User Table	22
6.2 Task Table.....	23

6.3 Comment Table	24
6.4 Resource Table	25
6.5 Subtask Table	26
6.6 Project Table	27
6.7 Milestone Table.....	28
6.8 UserTask Table.....	29
6.9 UserProject Table.....	30
7. Dashboard page.....	31
8. User Table.....	32
9. Project Table	35
10. Task Table	37
11. Subtask table.....	40
12. Milestone Table	43
13. Complex Form	46
13.1 User Project.....	46
13.2 Project Milestone	47

1. Textual Analysis

1.1 Relation Between User and Comment

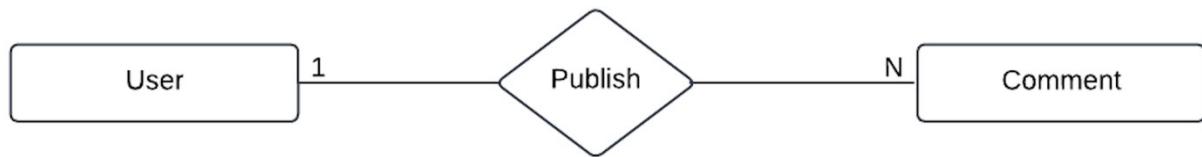


Figure 1: Relation Between User and Comment

The relation between the user and comment will be one to many relation respectively, as a single user can commit or publish the one or more comments.

1.2 Relation Between User and project



Figure 2: Relation Between User and project

The relation between the user and the project can have many to many relation, as many of the users can be assigned to many project.

1.3 Relation Between User and Task



Figure 3; Relation Between User and Task

The Relation between the user and the task can be many to many relation, because many of the users can be engaged in many of the tasks.

1.4 Relation Between Project and Task



Figure 4:Relation Between Project and Task

The relation between Project and Task can be one to many, as we considered as one project can have or can accommodate many tasks.

1.5 Relation Between Project and Milestone



Figure 5:Relation Between Project and Milestone

The Relation between the project and the milestone will be One to may relation, because one project can have the many milestones.

1.6 Relation Between Task and Comment



Figure 6:Relation Between Task and Comment

The relation between the Task and the Comment may be one to many relation, because one of the task may have many comments.

1.7 Relation Between Task and Resource



Figure 7:Relation Between Task and Resource

The relation between task and resource can be one to many relation, because one task have many resource but many resource have only one task.

1.8 Relation Between Task and Subtask



Figure 8:Relation Between Task and Subtask

The relation between task and subtask is one to many relation, because a single task can have many subtask as those a large volume of task is divided into many smaller subtasks.

2. Initial ERD

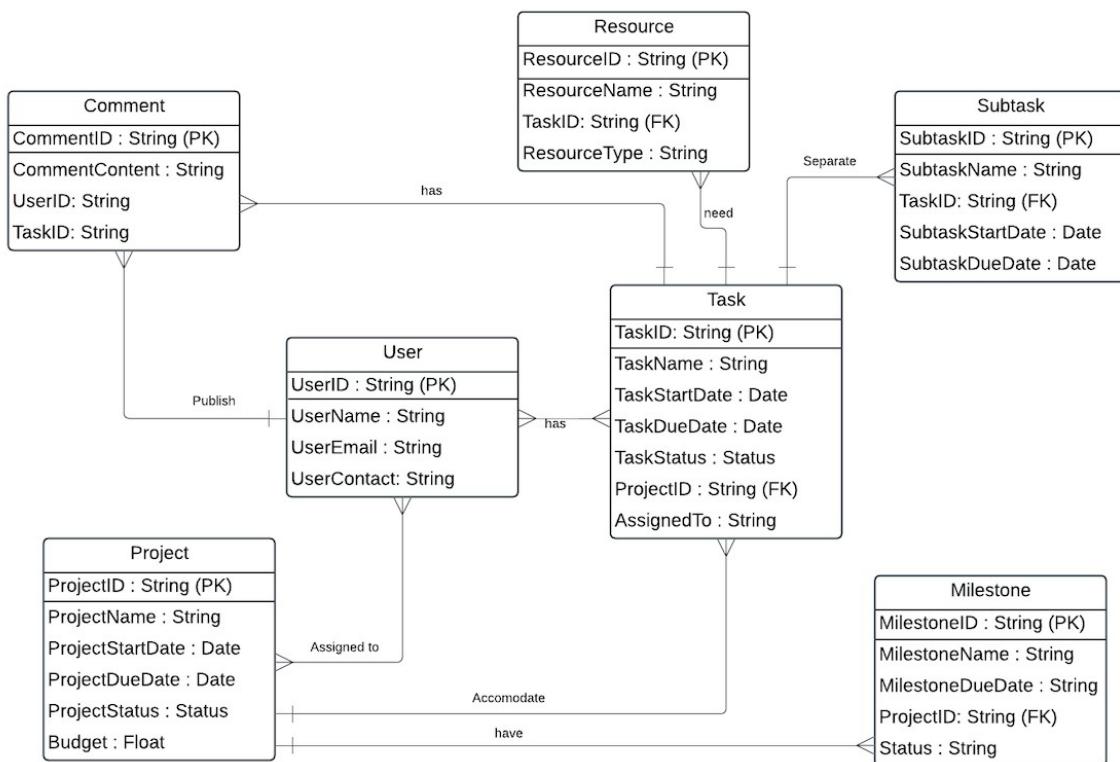


Figure 9:Initial ERD

3. Normalization

The process of organizing the data in database, by creating the tables and establishing the relationships between the tables is normalization. (Microsoft 365, 2024) Failure in eliminating the anomalies leads to the data redundancy which may lead to data integrity, so for removing the anomalies the normalization is used. Using the normalization will help to create the good structure of database. 1NF, 2NF, and 3NF are the main division of the Normalization. (Javatpoint, 2024)

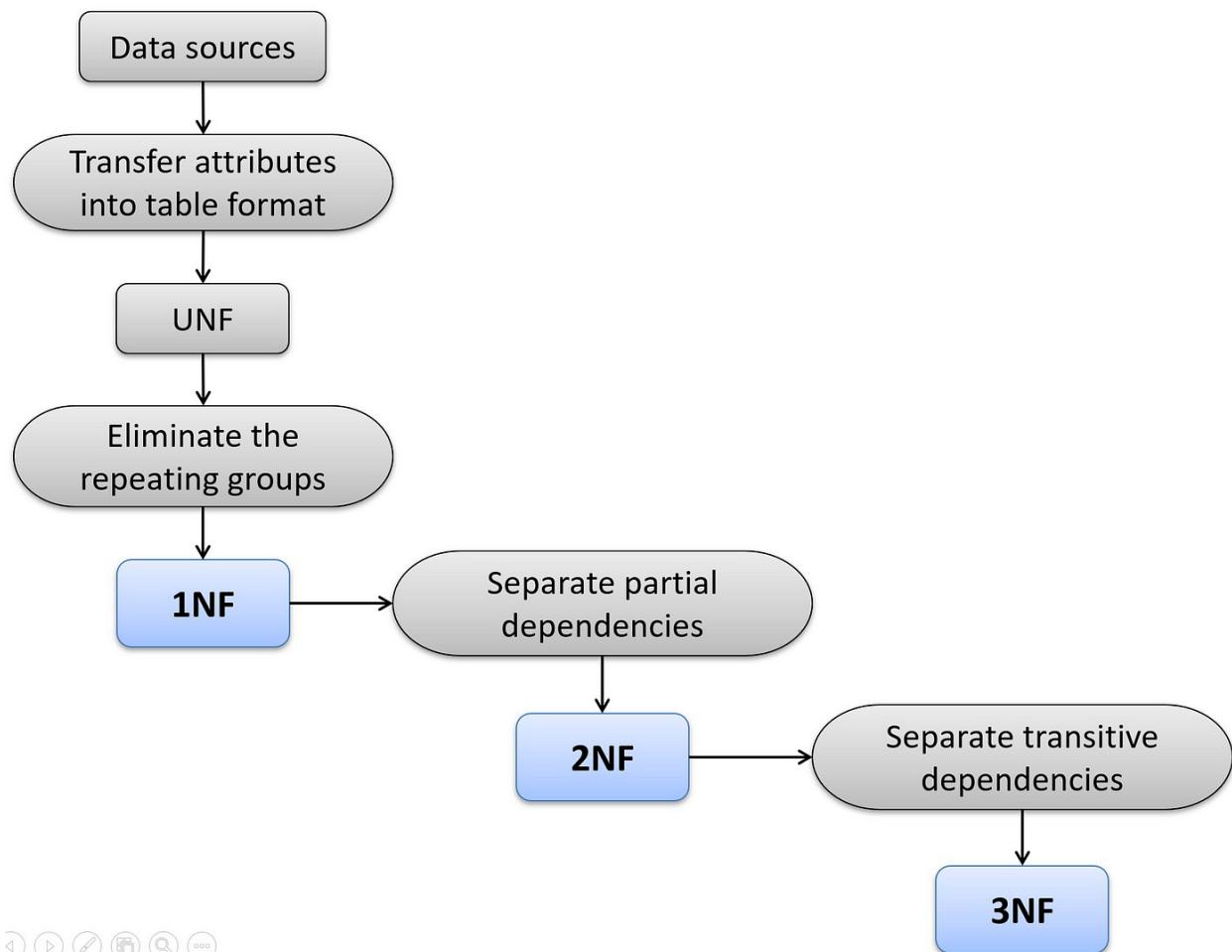


Figure 10: Normalization

3.1 1NF

1NF the first normal form is one of the type of database normalization, here all the attributes contains the atomic values, as well as no reputing groups or arrays of values are found. (freecodecamp, 2024)

User-1 : (User_ID (PK) , User_Name, User_Email, User_Contact)

Project-1: (Project_ID (PK) , User_ID (FK), Project_Name, Project_Start_Date, Project_Due_Date, Project_Status)

Task-1: (Task_ID (PK) , Project_ID (FK) , User_ID (FK), Task_Name, Task_Start_Date, Task_Due_Date, Task_Status)

3.2 2NF

The second form of database normalization which come in action when only the 1 NF eliminates the repeating groups. if the table is already is in 1 NF and have no particular dependency which means there is no key attributes which are dependent in Primary key then only the table is said to be 2F. (freecodecamp, 2024)

User (User ID(PK), User_Name, User_Email, User_Contact)

Project (Project_ID(PK), Project_Name, Project_Start_Date, Project_Due_Date, Project_Status, Project_ID, User_ID(FK))

Task (Task_ID(PK) Task_Name, Task_Start_Date, Task_Due_Date, Task_Status, Task_ID, Project_ID (FK), User_ID(FK))

User-2: User_ID(PK), User_Name, User_Email, User_Contact

Project-2: Project_ID (PK), Project_Name, Project_Start_Date

User_Project-2 : Project_ID (FK), User_ID (FK)

Task-2 : Task_ID (PK), Task_Name, Task_Start_Date, Task_Due_Date, Task_Status

User_Project_Task-2 : Task_ID (FK), Project_ID (FK), User_ID(FK)

3.3 3NF

The Third normal form of database normalization which only come in action when the 2 NF table is there and after it eliminates the repeating groups and the redundancy, but also if doesn't eliminate transitive partial dependency.
(freecodecamp., 2024)

There is no any Transitive Dependency.

So here as there is no any partial dependency that's why there is no 3NF the third normal form.

4. Final ERD

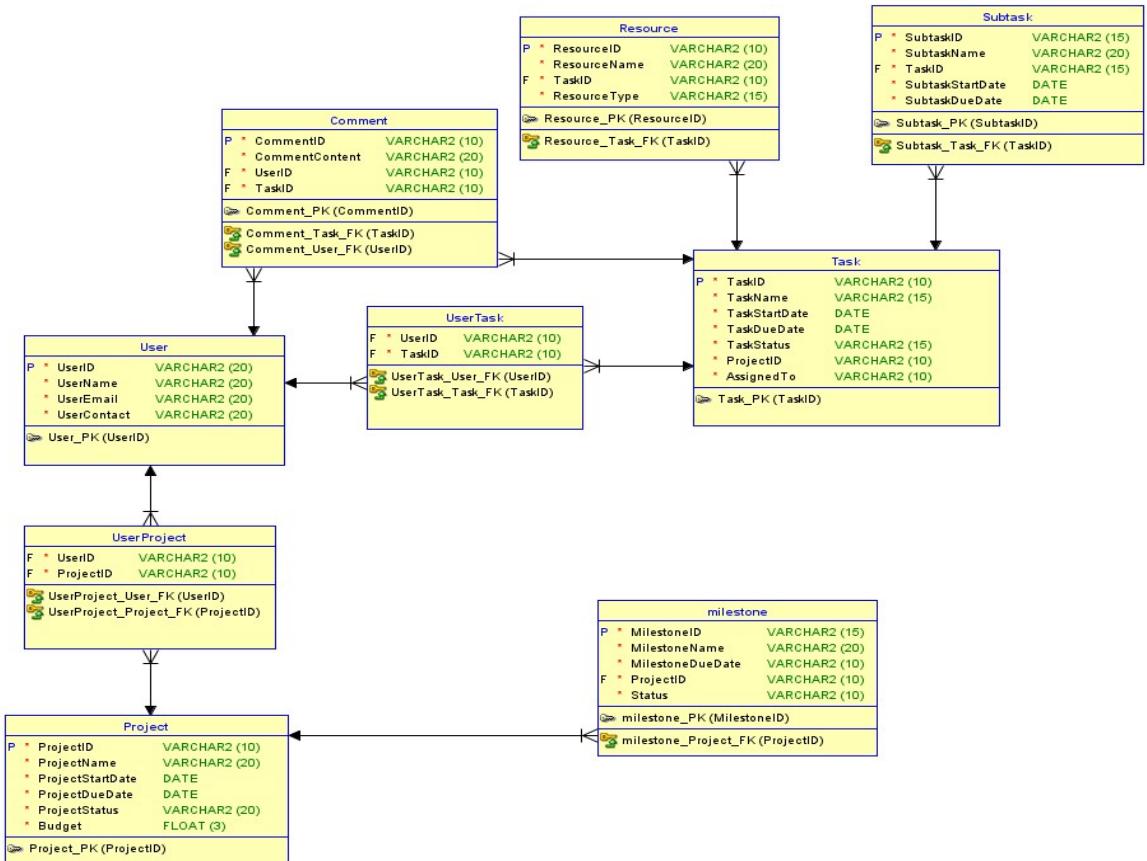


Figure 1: Final ERD

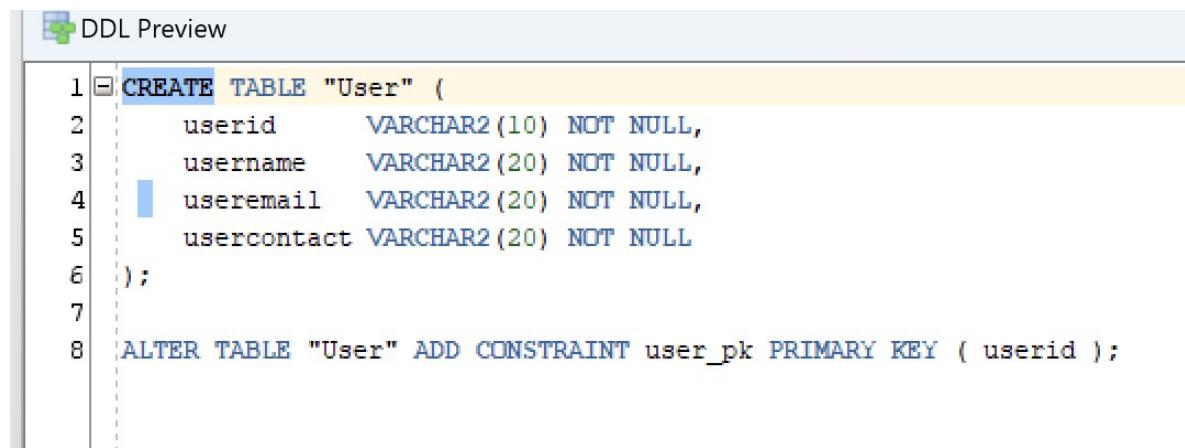
Assumptions

- Each of those tables have its own primary key to ensure the uniqueness and to prevent duplicate records
- It contains the foreign key and these foreign key maintains the relationships between tables to ensure referential integrity.
- All attributes are defined with their appropriate data types also the sizes example VARCHAR (10)
- This also supports adding the more data.

- Considering the many to many relation between the user and task and user and project, here the UserTask is one of the bridge entity and UserProject is another bridge entity between them.

5. DDL Preview

5.1 User table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' window open. The window displays the SQL code for creating the 'User' table:

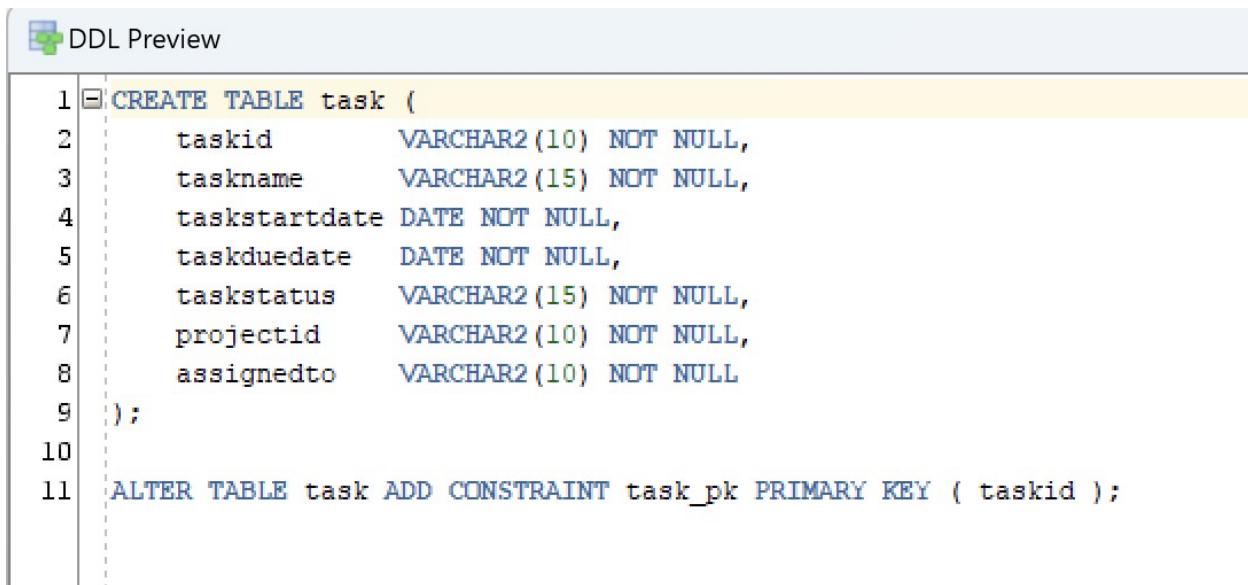
```
1 | CREATE TABLE "User" (
2 |   userid      VARCHAR2(10) NOT NULL,
3 |   username    VARCHAR2(20) NOT NULL,
4 |   useremail   VARCHAR2(20) NOT NULL,
5 |   usercontact VARCHAR2(20) NOT NULL
6 | );
7 |
8 | ALTER TABLE "User" ADD CONSTRAINT user_pk PRIMARY KEY ( userid );
```

Below the code, the message 'Table "User" created.' is displayed. Further down, another message 'Table "User" altered.' is shown.

Figure 2: User table

- Each user has a unique “**UserId**” for its own identification
- Users must provide the valid email address and contact numbers
- Users can also participate in multiple projects using the linking tables

5.2 Task Table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' tab selected. The code pane displays the following SQL statements:

```
1 CREATE TABLE task (
2     taskid      VARCHAR2(10) NOT NULL,
3     taskname    VARCHAR2(15) NOT NULL,
4     taskstartdate DATE NOT NULL,
5     taskduedate DATE NOT NULL,
6     taskstatus   VARCHAR2(15) NOT NULL,
7     projectid   VARCHAR2(10) NOT NULL,
8     assignedto   VARCHAR2(10) NOT NULL
9 );
10
11 ALTER TABLE task ADD CONSTRAINT task_pk PRIMARY KEY ( taskid );
```

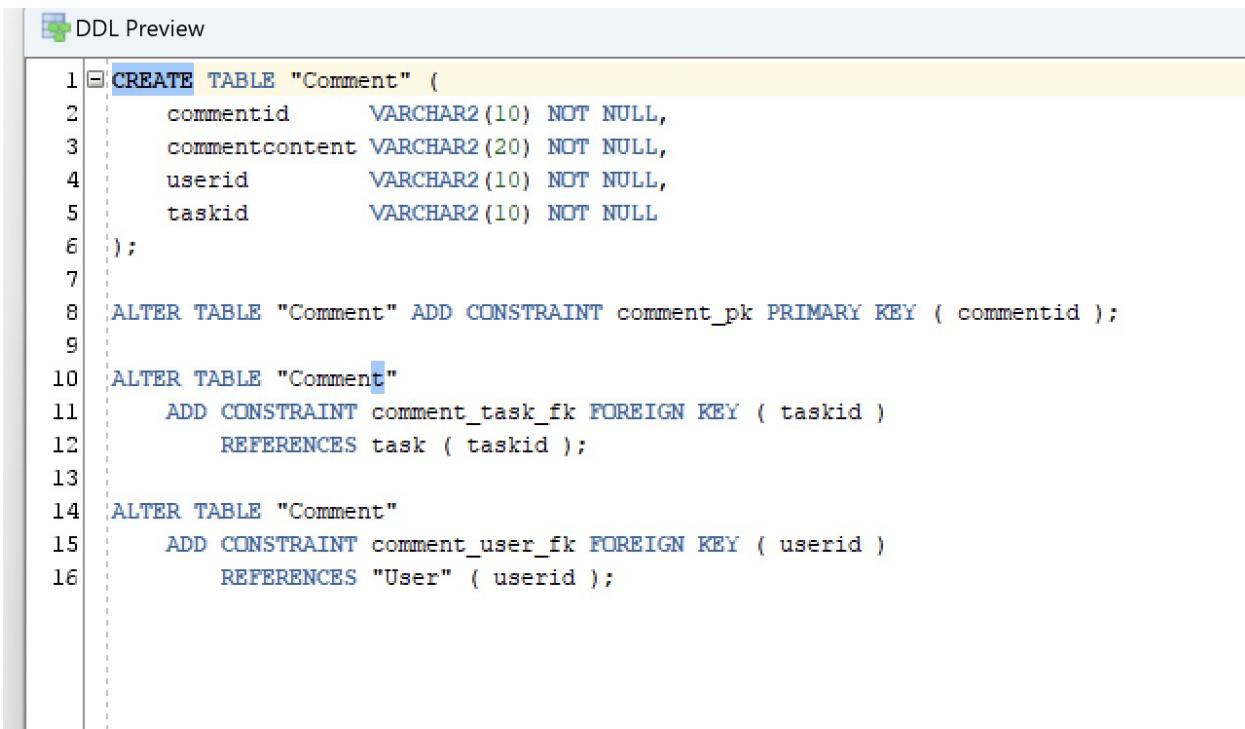
The output pane below the code pane shows two messages:

```
Table TASK created.  
Table TASK altered.
```

Figure 3: Task Table

- Each task has a unique “**taskid**” for its own identification
- Tasks are associated with specific projects through the projectID
- Tasks have start dates, due dates, and statuses such as Pending, In Progress, and Completed.
- Tasks can be assigned to only one user (Assigned to)

5.3 Comment Table



The screenshot shows a 'DDL Preview' window with the following SQL code:

```
1 | CREATE TABLE "Comment" (
2 |   commentid      VARCHAR2(10) NOT NULL,
3 |   commentcontent VARCHAR2(20) NOT NULL,
4 |   userid         VARCHAR2(10) NOT NULL,
5 |   taskid         VARCHAR2(10) NOT NULL
6 | );
7 |
8 | ALTER TABLE "Comment" ADD CONSTRAINT comment_pk PRIMARY KEY (commentid );
9 |
10| ALTER TABLE "Comment"
11|   ADD CONSTRAINT comment_task_fk FOREIGN KEY (taskid )
12|     REFERENCES task (taskid );
13|
14| ALTER TABLE "Comment"
15|   ADD CONSTRAINT comment_user_fk FOREIGN KEY (userid )
16|     REFERENCES "User" (userid );
```

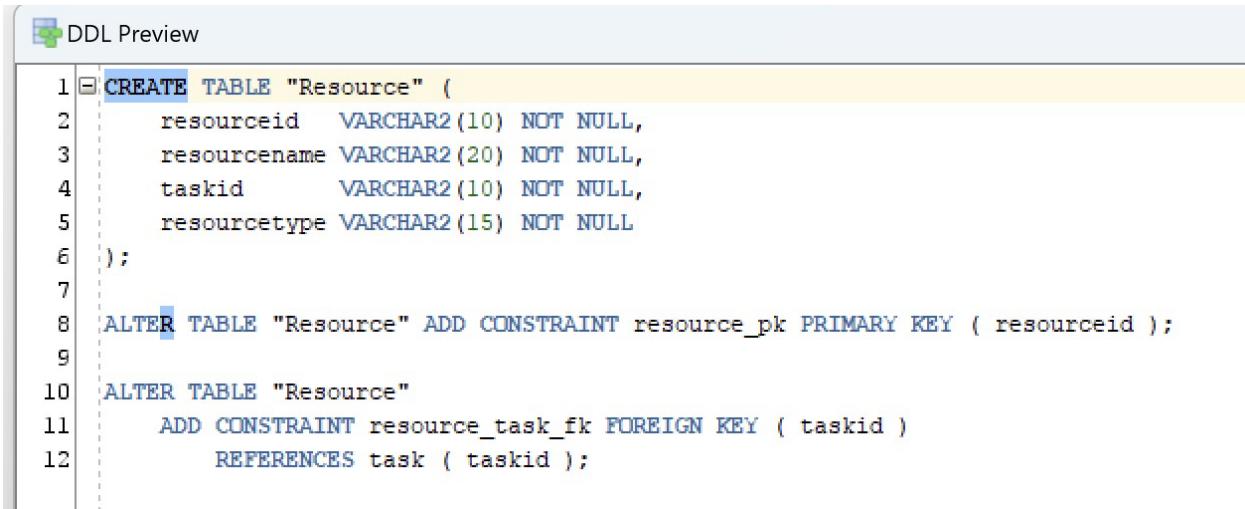
Table "Comment" created.

Table "Comment" altered.

Figure 4: Comment Table

- Each comment has the unique “**CommentID**”
- These comments are linked with specific tasks and specific users
- Comments contents is limited as it have VARCHAR (20) so, limited text are and also only supports text.

5.4 Resource Table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' tab selected. The code pane displays the following SQL statements:

```
1 CREATE TABLE "Resource" (
2     resourceid  VARCHAR2(10) NOT NULL,
3     resourcename VARCHAR2(20) NOT NULL,
4     taskid      VARCHAR2(10) NOT NULL,
5     resourcetype VARCHAR2(15) NOT NULL
6 );
7
8 ALTER TABLE "Resource" ADD CONSTRAINT resource_pk PRIMARY KEY ( resourceid );
9
10 ALTER TABLE "Resource"
11     ADD CONSTRAINT resource_task_fk FOREIGN KEY ( taskid )
12         REFERENCES task ( taskid );
```

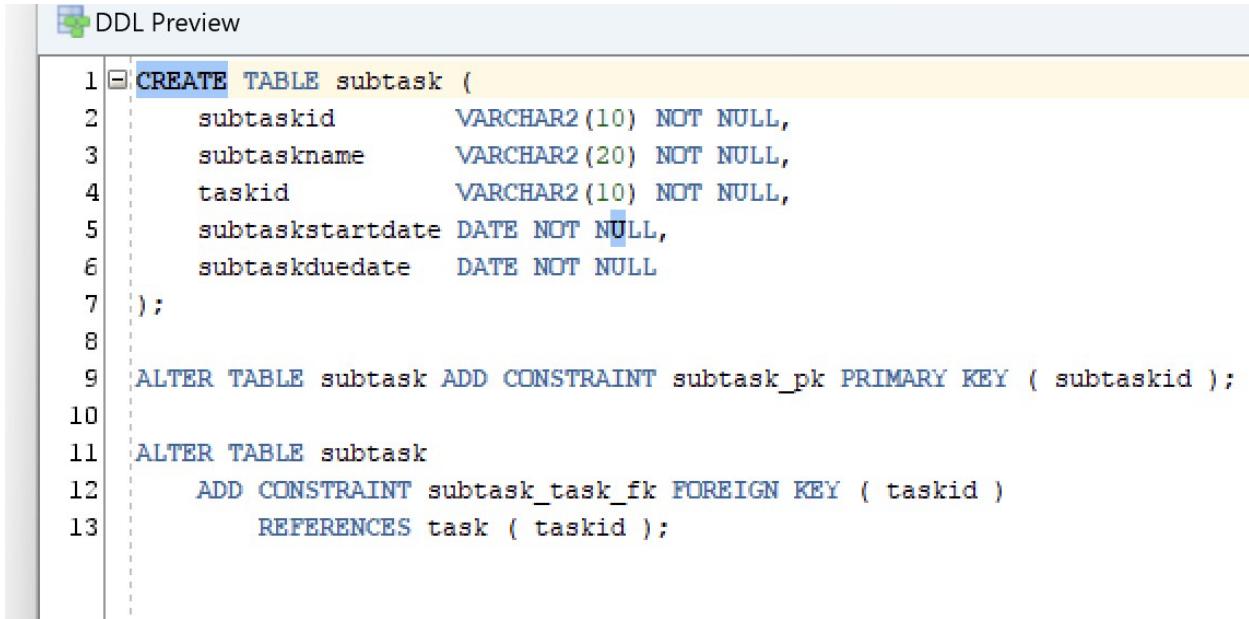
Table "Resource" created.

Table "Resource" altered.

Figure 5: Resource Table

- Resources have the unique “**ResourceID**” for its own identification as the primary key
- Resources can be categorized as humans, or other materials

5.5 Subtask Table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' tab selected. The code pane displays the following SQL statements:

```
1 CREATE TABLE subtask (
2     subtaskid      VARCHAR2(10) NOT NULL,
3     subtaskname    VARCHAR2(20) NOT NULL,
4     taskid         VARCHAR2(10) NOT NULL,
5     subtaskstartdate DATE NOT NULL,
6     subtaskduedate DATE NOT NULL
7 );
8
9 ALTER TABLE subtask ADD CONSTRAINT subtask_pk PRIMARY KEY ( subtaskid );
10
11 ALTER TABLE subtask
12     ADD CONSTRAINT subtask_task_fk FOREIGN KEY ( taskid )
13         REFERENCES task ( taskid );
```

Below the code pane, two messages are displayed in the log area:

Table SUBTASK created.

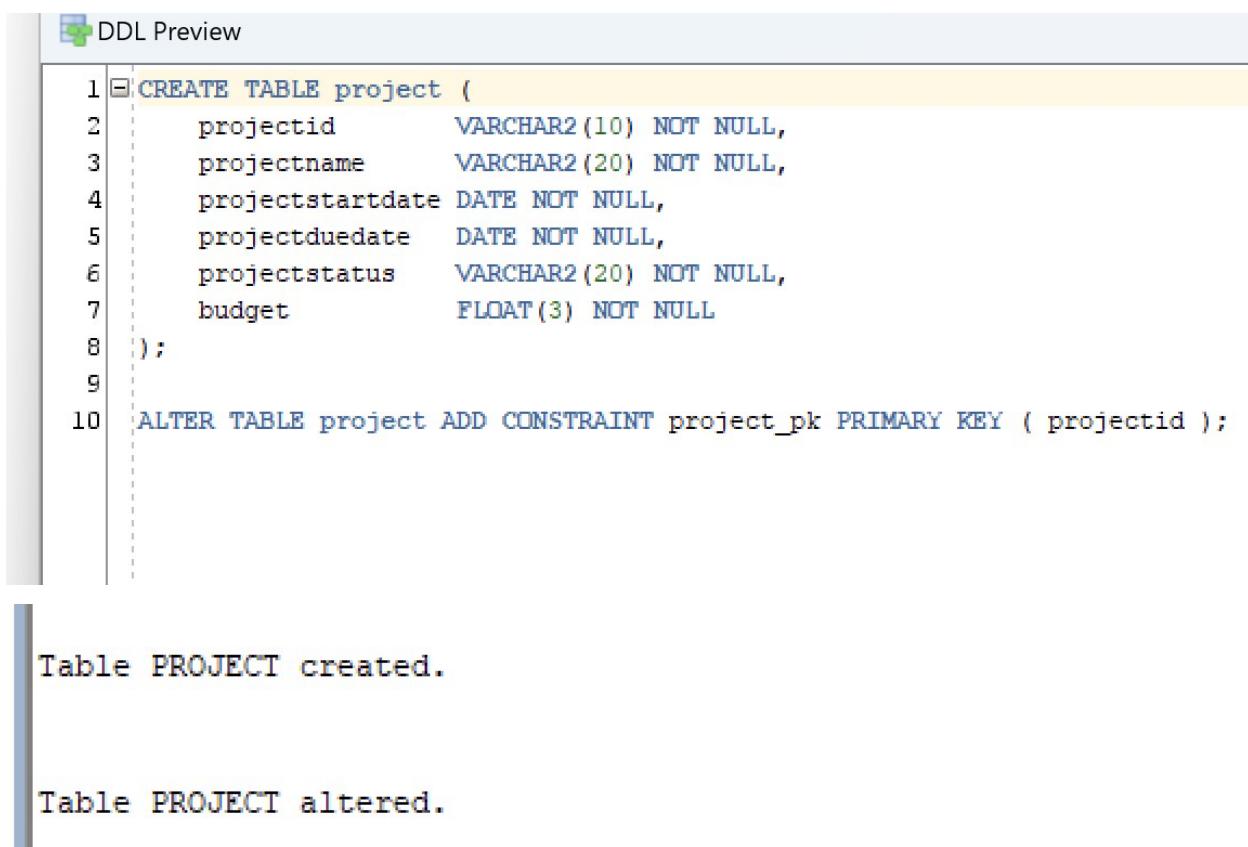
Table SUBTASK altered.

Figure 6:

Subtask Table

- Subtask has unique “**SubtaskID**”
- Subtasks are linked to tasks through TaskID.
- Subtasks must have valid start and due dates within the parent task’s timeline.

5.6 Project Table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' tab selected. The code pane displays the following SQL statements:

```
1 CREATE TABLE project (
2     projectid      VARCHAR2(10) NOT NULL,
3     projectname    VARCHAR2(20) NOT NULL,
4     projectstartdate DATE NOT NULL,
5     projectduedate DATE NOT NULL,
6     projectstatus   VARCHAR2(20) NOT NULL,
7     budget         FLOAT(3) NOT NULL
8 );
9
10 ALTER TABLE project ADD CONSTRAINT project_pk PRIMARY KEY ( projectid );
```

Below the code, two messages are displayed in the log area:

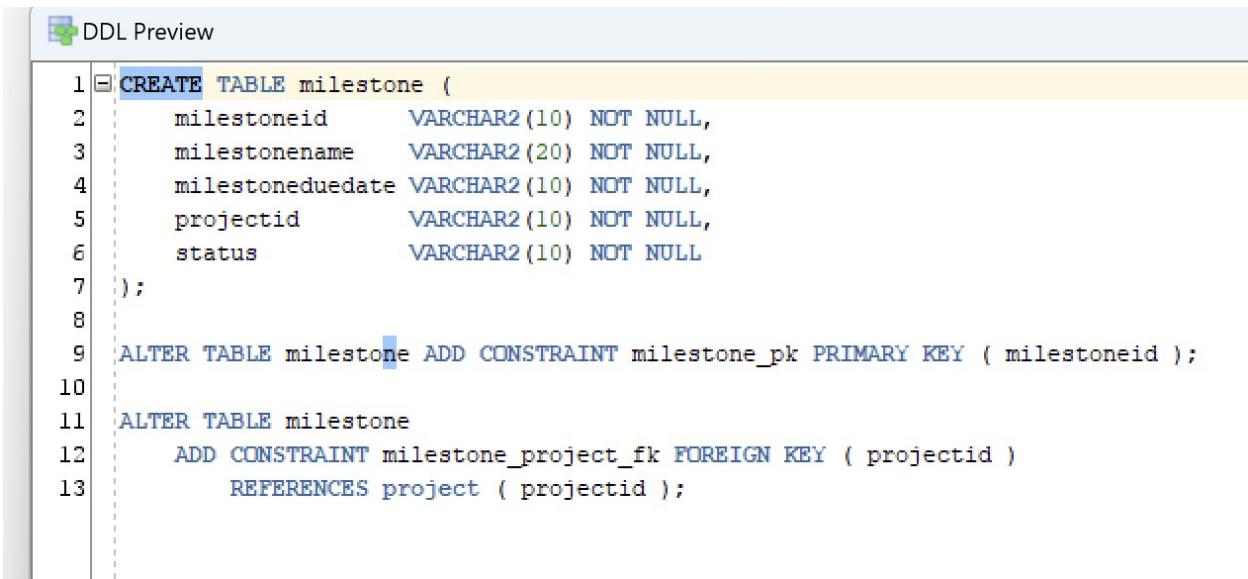
- Table PROJECT created.
- Table PROJECT altered.

Figure 7:

Project Table

- Each project has the unique ProjectID for tracking
- Projects have defines it's start date, due date, status and also the budget
 - Budgets are positive numbers that are stored as FLOAT values.
- The projects have various milestones and which must align withing the project's timeline.

5.7 Milestone Table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' tab selected. The code pane displays the following SQL statements:

```
1 CREATE TABLE milestone (
2     milestoneid      VARCHAR2(10) NOT NULL,
3     milestonesname  VARCHAR2(20) NOT NULL,
4     milestonesduedate VARCHAR2(10) NOT NULL,
5     projectid       VARCHAR2(10) NOT NULL,
6     status           VARCHAR2(10) NOT NULL
7 );
8
9 ALTER TABLE milestone ADD CONSTRAINT milestone_pk PRIMARY KEY ( milestoneid );
10
11 ALTER TABLE milestone
12     ADD CONSTRAINT milestone_project_fk FOREIGN KEY ( projectid )
13         REFERENCES project ( projectid );
```

Table MILESTONE created.

Table MILESTONE altered.

Table MILESTONE altered.

Figure 8: Milestone Table

- Each of these milestones have a unique “**MilestoneID**”
- Milestones are associated with only one project
- These milestones due dates cannot exceed the project’s end date.

5.8 UserTask Table

DDL Preview

```
1 CREATE TABLE usertask (
2     userid VARCHAR2(10) NOT NULL,
3     taskid VARCHAR2(10) NOT NULL
4 );
5
6 ALTER TABLE usertask
7     ADD CONSTRAINT usertask_task_fk FOREIGN KEY ( taskid )
8         REFERENCES task ( taskid );
9
10 ALTER TABLE usertask
11     ADD CONSTRAINT usertask_user_fk FOREIGN KEY ( userid )
12         REFERENCES "User" ( userid );
```

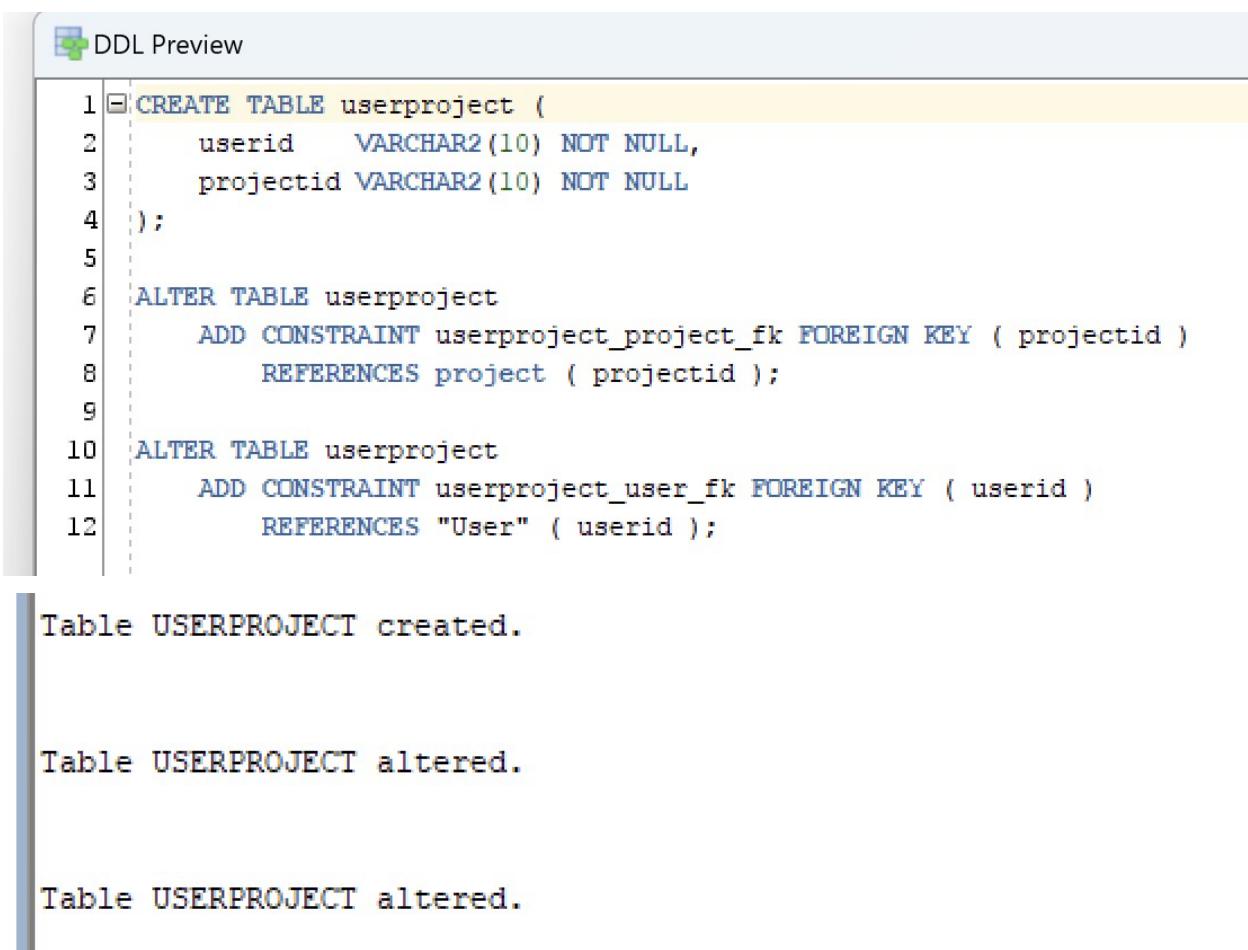
Table USERTASK created.

Table USERTASK altered.

Table USERTASK altered.

Figure 9: UserTask Table

5.9 UserProject Table



The screenshot shows the Oracle SQL Developer interface with the 'DDL Preview' tab selected. The code pane displays the following SQL statements:

```
1 | CREATE TABLE userproject (
2 |   userid      VARCHAR2(10) NOT NULL,
3 |   projectid  VARCHAR2(10) NOT NULL
4 | );
5 |
6 | ALTER TABLE userproject
7 |   ADD CONSTRAINT userproject_project_fk FOREIGN KEY ( projectid )
8 |     REFERENCES project ( projectid );
9 |
10| ALTER TABLE userproject
11|   ADD CONSTRAINT userproject_user_fk FOREIGN KEY ( userid )
12|     REFERENCES "User" ( userid );
```

Below the code pane, three messages are displayed:

- Table USERPROJECT created.
- Table USERPROJECT altered.
- Table USERPROJECT altered.

Figure 10: UserProject Table

6. Table Insert

6.1 User Table

The screenshot shows the MySQL Workbench interface. The top part is the 'Worksheet' tab, containing the following SQL code:

```
INSERT INTO "User" (userid, username, useremail, usercontact)
VALUES (1, 'avinav', 'avinav@gmail.com', '9745358527');

INSERT INTO "User" (userid, username, useremail, usercontact)
VALUES (2, 'pvinav', 'pvinav@gmail.com', '9845358527');

INSERT INTO "User" (userid, username, useremail, usercontact)
VALUES (3, 'nrinav','nrinav@gmail.com', '9795358527');

INSERT INTO "User" (userid, username, useremail, usercontact)
VALUES (4, 'prami','prami@gmail.com', '9855057557');

INSERT INTO "User" (userid, username, useremail, usercontact)
VALUES (5, 'srami','srami@gmail.com', '9655057557');

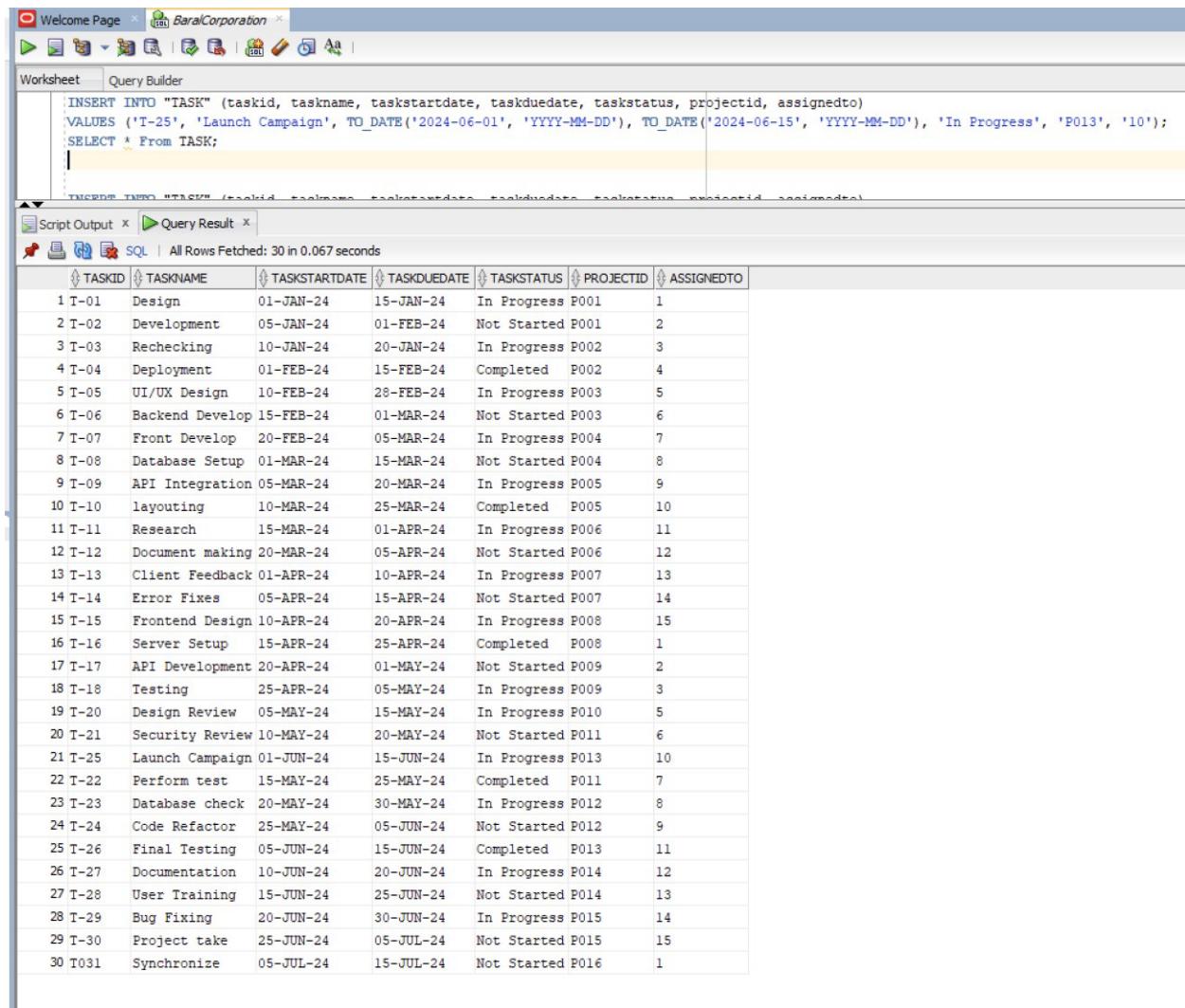
INSERT INTO "User" (userid, username, useremail, usercontact)
```

The bottom part is the 'Query Result' tab, showing the data inserted into the 'User' table:

USERID	USERNAME	USEREMAIL	USERCONTACT
1	avinav	avinav@gmail.com	9745358527
2	pvinav	pvinav@gmail.com	9845358527
3	nrinav	nrinav@gmail.com	9795358527
4	prami	prami@gmail.com	9855057557
5	srami	srami@gmail.com	9655057557
6	rrami	rrami@gmail.com	9555057557
7	saymi	saymi@gmail.com	9285057557
8	aaymi	aaymi@gmail.com	9185057557
9	gaymi	gaymi@gmail.com	9085057557
10	ram	ram@gmail.com	9345057557
11	shaym	shaym@gmail.com	9845057557
12	nerick	nerick@gmail.com	9860847749
13	bitin	bitin@gmail.com	9960847749
14	pushpa	pushpa@gmail.com	9660847749
15	nimesh	nimesh@gmail.com	9560847749

Figure 11: User Table value insert

6.2 Task Table



The screenshot shows the Oracle SQL Developer interface. The top window is titled "Worksheet" and contains a SQL query:

```
INSERT INTO "TASK" (taskid, taskname, taskstartdate, taskduedate, taskstatus, projectid, assignedto)
VALUES ('T-25', 'Launch Campaign', TO_DATE('2024-06-01', 'YYYY-MM-DD'), TO_DATE('2024-06-15', 'YYYY-MM-DD'), 'In Progress', 'P013', '10');
SELECT * From TASK;
```

The bottom window is titled "Query Result" and displays the results of the query:

TaskID	TaskName	TaskStartDate	TaskDueDate	TaskStatus	ProjectID	AssignedTo	
1	T-01	Design	01-JAN-24	15-JAN-24	In Progress	P001	1
2	T-02	Development	05-JAN-24	01-FEB-24	Not Started	P001	2
3	T-03	Rechecking	10-JAN-24	20-JAN-24	In Progress	P002	3
4	T-04	Deployment	01-FEB-24	15-FEB-24	Completed	P002	4
5	T-05	UI/UX Design	10-FEB-24	28-FEB-24	In Progress	P003	5
6	T-06	Backend Develop	15-FEB-24	01-MAR-24	Not Started	P003	6
7	T-07	Front Develop	20-FEB-24	05-MAR-24	In Progress	P004	7
8	T-08	Database Setup	01-MAR-24	15-MAR-24	Not Started	P004	8
9	T-09	API Integration	05-MAR-24	20-MAR-24	In Progress	P005	9
10	T-10	Layouting	10-MAR-24	25-MAR-24	Completed	P005	10
11	T-11	Research	15-MAR-24	01-APR-24	In Progress	P006	11
12	T-12	Document making	20-MAR-24	05-APR-24	Not Started	P006	12
13	T-13	Client Feedback	01-APR-24	10-APR-24	In Progress	P007	13
14	T-14	Error Fixes	05-APR-24	15-APR-24	Not Started	P007	14
15	T-15	Frontend Design	10-APR-24	20-APR-24	In Progress	P008	15
16	T-16	Server Setup	15-APR-24	25-APR-24	Completed	P008	1
17	T-17	API Development	20-APR-24	01-MAY-24	Not Started	P009	2
18	T-18	Testing	25-APR-24	05-MAY-24	In Progress	P009	3
19	T-20	Design Review	05-MAY-24	15-MAY-24	In Progress	P010	5
20	T-21	Security Review	10-MAY-24	20-MAY-24	Not Started	P011	6
21	T-25	Launch Campaign	01-JUN-24	15-JUN-24	In Progress	P013	10
22	T-22	Perform test	15-MAY-24	25-MAY-24	Completed	P011	7
23	T-23	Database check	20-MAY-24	30-MAY-24	In Progress	P012	8
24	T-24	Code Refactor	25-MAY-24	05-JUN-24	Not Started	P012	9
25	T-26	Final Testing	05-JUN-24	15-JUN-24	Completed	P013	11
26	T-27	Documentation	10-JUN-24	20-JUN-24	In Progress	P014	12
27	T-28	User Training	15-JUN-24	25-JUN-24	Not Started	P014	13
28	T-29	Bug Fixing	20-JUN-24	30-JUN-24	In Progress	P015	14
29	T-30	Project take	25-JUN-24	05-JUL-24	Not Started	P015	15
30	T-031	Synchronize	05-JUL-24	15-JUL-24	Not Started	P016	1

Figure 12: Task Table value insert

6.3 Comment Table

The screenshot shows the Oracle SQL Developer interface. The top window is titled "BaralCorporation" and contains a "Worksheet" tab where three SQL INSERT statements are written:

```
INSERT INTO "Comment" (commentid, commentcontent, userid, taskid)
VALUES ('C-026', 'Good attention', '11', 'T-26');

INSERT INTO "Comment" (commentid, commentcontent, userid, taskid)
VALUES ('C-027', 'Formatting issues', '12', 'T-27');

INSERT INTO "Comment" (commentid, commentcontent, userid, taskid)
VALUES ('C-028', 'Meet deadlines', '13', 'T-28');
```

The bottom window is titled "Script Output" and shows the results of the executed queries. It displays a table with columns: COMMENTID, COMMENTCONTENT, USERID, and TASKID. The data consists of 30 rows, each representing a comment entry:

COMMENTID	COMMENTCONTENT	USERID	TASKID
1 C-001	Great job	1	T-01
2 C-002	Needs improve	2	T-02
3 C-003	Well done	3	T-03
4 C-004	Completed	4	T-04
5 C-005	Needs attention	5	T-05
6 C-006	Good progress	6	T-06
7 C-007	Excellent work	7	T-07
8 C-008	Did not meet req	8	T-08
9 C-009	Some errors found	9	T-09
10 C-010	Good work, minor	10	T-10
11 C-011	Needs more detail	11	T-11
12 C-012	Solid effort	12	T-12
13 C-013	Room for improvement	13	T-13
14 C-014	More time needed	14	T-14
15 C-015	Great job, done	15	T-15
16 C-016	Task was late	1	T-16
17 C-017	Needs clarification	2	T-17
18 C-018	Good performance	3	T-18
19 C-020	Better structure	5	T-20
20 C-021	Needs more polish	6	T-21
21 C-022	More details needed	7	T-22
22 C-023	Meets requirements	8	T-23
23 C-024	Some skipped tasks	9	T-24
24 C-025	Flaws in execution	10	T-25
25 C-026	Good attention	11	T-26
26 C-027	Formatting issues	12	T-27
27 C-028	Meet deadlines	13	T-28
28 C-029	Could be revised	14	T-29
29 C-030	Minor corrections	15	T-30

Figure 13: Comment Table value insert

6.4 Resource Table

The screenshot shows the Oracle SQL Developer interface. The top window is a 'Worksheet' tab containing three SQL INSERT statements:

```
INSERT INTO "Resource" (resourceid, resourcename, taskid, resourcetype)
VALUES ('R-033', 'Network', 'T-33', 'Hardware');

INSERT INTO "Resource" (resourceid, resourcename, taskid, resourcetype)
VALUES ('R-034', 'Project Manage', 'T-29', 'Software');

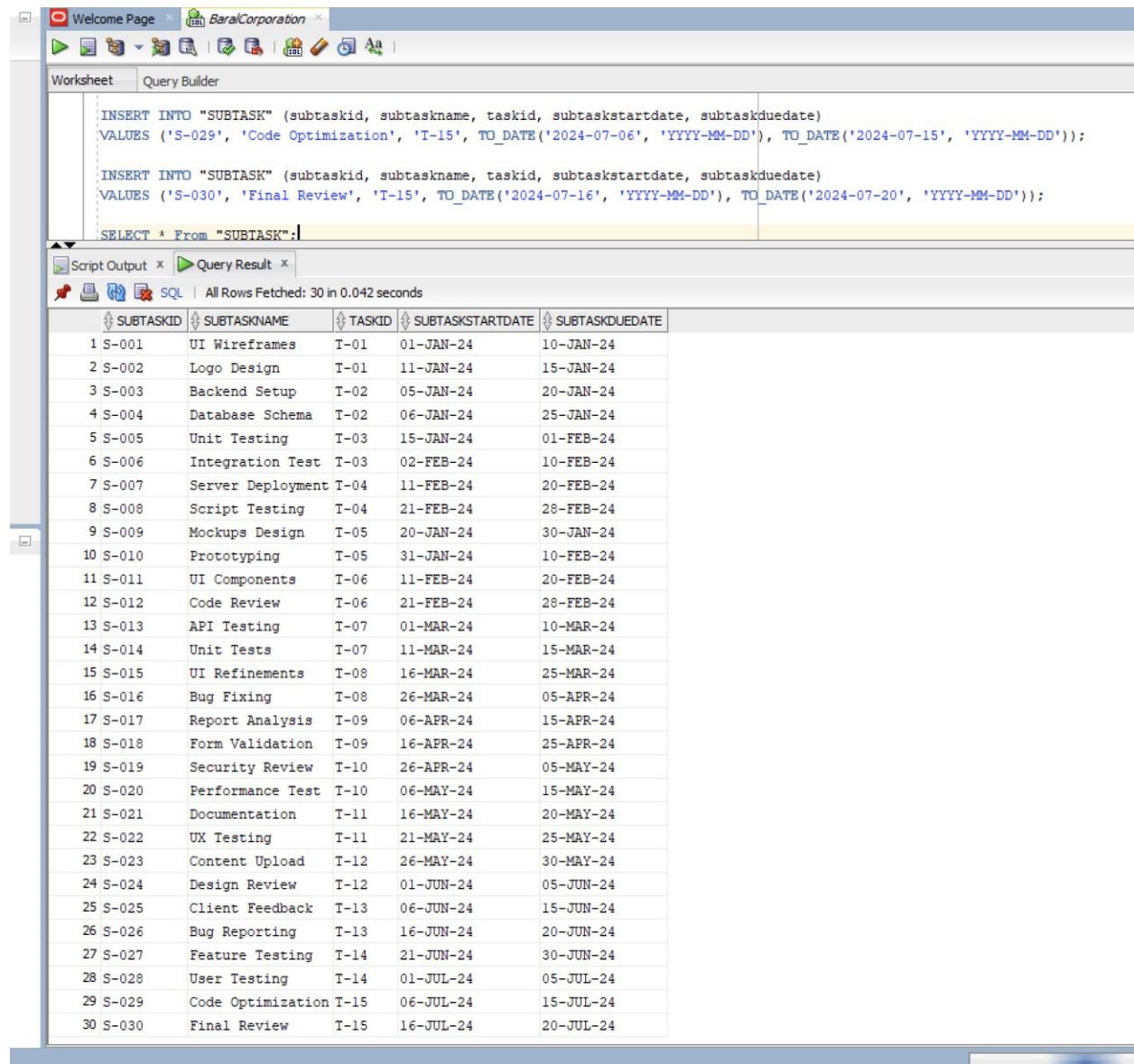
INSERT INTO "Resource" (resourceid, resourcename, taskid, resourcetype)
```

Below the worksheet is a 'Query Result' tab showing the data from the 'Resource' table:

RESOURCEID	RESOURCENAME	TASKID	RESOURCETYPE
1 R-001	UI Design	T-01	Software
2 R-002	Code Editor	T-02	Tools
3 R-003	Mobile Testing	T-03	Hardware
4 R-004	Automation	T-04	Software
5 R-005	Wireframing Tool	T-05	Software
6 R-006	Cloud Hosting	T-06	Hardware
7 R-007	Version Control	T-07	Tools
8 R-008	SQL Management	T-08	Software
9 R-009	API Development	T-09	Tools
10 R-010	Graphics Design	T-10	Software
11 R-011	Research Articles	T-11	Materials
12 R-012	Content Management	T-12	Software
13 R-013	Feedback Collection	T-13	Software
14 R-014	Bug Fixing Utility	T-14	Tools
15 R-015	Front Development	T-15	Software
16 R-016	System Tools	T-16	Tools
17 R-017	API Testing	T-17	Tools
18 R-018	Testing Hardware	T-18	Hardware
19 R-020	Design Feedback	T-20	Tools
20 R-021	Security Scanning	T-21	Tools
21 R-022	Performance Monitor	T-22	Software
22 R-023	Database Tools	T-23	Tools
23 R-025	Campaign Tools	T-25	Tools
24 R-026	Automated Testing	T-26	Software
25 R-028	Training	T-28	Materials
26 R-029	Bug Toolkit	T-29	Tools
27 R-030	Project give	T-30	Tools
28 R-035	User Interface	T-30	Software
29 R-034	Project Manage	T-29	Software
30 R-032	Storage	T-30	Software

Figure 14: Resource Table value insert

6.5 Subtask Table



The screenshot shows the Oracle SQL Developer interface. The top menu bar includes 'Welcome Page' and 'BaralCorporation'. Below the menu is a toolbar with various icons. The main area has two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab contains the following SQL code:

```
INSERT INTO "SUBTASK" (subtaskid, subtaskname, taskid, subtaskstartdate, subtaskduedate)
VALUES ('S-029', 'Code Optimization', 'T-15', TO_DATE('2024-07-06', 'YYYY-MM-DD'), TO_DATE('2024-07-15', 'YYYY-MM-DD'));

INSERT INTO "SUBTASK" (subtaskid, subtaskname, taskid, subtaskstartdate, subtaskduedate)
VALUES ('S-030', 'Final Review', 'T-15', TO_DATE('2024-07-16', 'YYYY-MM-DD'), TO_DATE('2024-07-20', 'YYYY-MM-DD'));

SELECT * From "SUBTASK";
```

Below the code, the 'Script Output' tab shows 'All Rows Fetched: 30 in 0.042 seconds'. The 'Query Result' tab displays a table with 30 rows of data:

	SUBTASKID	SUBTASKNAME	TASKID	SUBTASKSTARTDATE	SUBTASKDUEDATE
1	S-001	UI Wireframes	T-01	01-JAN-24	10-JAN-24
2	S-002	Logo Design	T-01	11-JAN-24	15-JAN-24
3	S-003	Backend Setup	T-02	05-JAN-24	20-JAN-24
4	S-004	Database Schema	T-02	06-JAN-24	25-JAN-24
5	S-005	Unit Testing	T-03	15-JAN-24	01-FEB-24
6	S-006	Integration Test	T-03	02-FEB-24	10-FEB-24
7	S-007	Server Deployment	T-04	11-FEB-24	20-FEB-24
8	S-008	Script Testing	T-04	21-FEB-24	28-FEB-24
9	S-009	Mockups Design	T-05	20-JAN-24	30-JAN-24
10	S-010	Prototyping	T-05	31-JAN-24	10-FEB-24
11	S-011	UI Components	T-06	11-FEB-24	20-FEB-24
12	S-012	Code Review	T-06	21-FEB-24	28-FEB-24
13	S-013	API Testing	T-07	01-MAR-24	10-MAR-24
14	S-014	Unit Tests	T-07	11-MAR-24	15-MAR-24
15	S-015	UI Refinements	T-08	16-MAR-24	25-MAR-24
16	S-016	Bug Fixing	T-08	26-MAR-24	05-APR-24
17	S-017	Report Analysis	T-09	06-APR-24	15-APR-24
18	S-018	Form Validation	T-09	16-APR-24	25-APR-24
19	S-019	Security Review	T-10	26-APR-24	05-MAY-24
20	S-020	Performance Test	T-10	06-MAY-24	15-MAY-24
21	S-021	Documentation	T-11	16-MAY-24	20-MAY-24
22	S-022	UX Testing	T-11	21-MAY-24	25-MAY-24
23	S-023	Content Upload	T-12	26-MAY-24	30-MAY-24
24	S-024	Design Review	T-12	01-JUN-24	05-JUN-24
25	S-025	Client Feedback	T-13	06-JUN-24	15-JUN-24
26	S-026	Bug Reporting	T-13	16-JUN-24	20-JUN-24
27	S-027	Feature Testing	T-14	21-JUN-24	30-JUN-24
28	S-028	User Testing	T-14	01-JUL-24	05-JUL-24
29	S-029	Code Optimization	T-15	06-JUL-24	15-JUL-24
30	S-030	Final Review	T-15	16-JUL-24	20-JUL-24

Figure 15: Subtask table value insert

6.6 Project Table

The screenshot shows the Oracle SQL Developer interface. The top window is titled "Worksheet" and contains a SQL script for inserting data into the "PROJECT" table. The script includes five INSERT statements for projects P012 through P016, followed by a SELECT statement. The bottom window is titled "Query Result" and displays the resulting table of 15 rows, each representing a project with columns: PROJECTID, PROJECTNAME, PROJECTSTARTDATE, PROJECTDUEDATE, PROJECTSTATUS, and BUDGET.

```
INSERT INTO "PROJECT" (projectid, projectname, projectstartdate, projectduedate, projectstatus, budget)
VALUES ('P012', 'Project Mu', TO_DATE('2024-12-01', 'YYYY-MM-DD'), TO_DATE('2025-06-01', 'YYYY-MM-DD'), 'In Progress', 95000.00);

INSERT INTO "PROJECT" (projectid, projectname, projectstartdate, projectduedate, projectstatus, budget)
VALUES ('P013', 'Project Nu', TO_DATE('2025-01-01', 'YYYY-MM-DD'), TO_DATE('2025-07-01', 'YYYY-MM-DD'), 'Completed', 110000.00);

INSERT INTO "PROJECT" (projectid, projectname, projectstartdate, projectduedate, projectstatus, budget)
VALUES ('P014', 'Project Xi', TO_DATE('2025-02-15', 'YYYY-MM-DD'), TO_DATE('2025-08-15', 'YYYY-MM-DD'), 'On Hold', 130000.00);

INSERT INTO "PROJECT" (projectid, projectname, projectstartdate, projectduedate, projectstatus, budget)
VALUES ('P015', 'Project Omicron', TO_DATE('2025-03-10', 'YYYY-MM-DD'), TO_DATE('2025-09-10', 'YYYY-MM-DD'), 'In Progress', 140000.00);

SELECT * From "PROJECT";
```

PROJECTID	PROJECTNAME	PROJECTSTARTDATE	PROJECTDUEDATE	PROJECTSTATUS	BUDGET
1 P001	Project Alpha	01-JAN-24	31-DEC-24	In Progress	50000
2 P002	Project Giphia	01-FEB-23	31-DEC-24	In Progress	60000
3 P003	Project Gamma	01-MAR-24	01-SEP-24	On Hold	100000
4 P004	Project Delta	10-APR-24	10-NOV-24	In Progress	100000
5 P005	Project Epsilon	20-MAY-24	20-DEC-24	Not Started	30000
6 P006	Project Zeta	01-JUN-24	01-JUN-25	In Progress	90000
7 P007	Project Eta	10-JUL-24	10-JAN-25	Completed	200000
8 P008	Project Theta	01-AUG-24	01-FEB-25	On Hold	80000
9 P009	Project Iota	01-SEP-24	01-DEC-24	In Progress	50000
10 P010	Project Kappa	15-OCT-24	15-MAR-25	Completed	60000
11 P011	Project Lambda	01-NOV-24	01-MAY-25	Not Started	100000
12 P012	Project Mu	01-DEC-24	01-JUN-25	In Progress	100000
13 P013	Project Nu	01-JAN-25	01-JUL-25	Completed	100000
14 P014	Project Xi	15-FEB-25	15-AUG-25	On Hold	100000
15 P015	Project Omicron	10-MAR-25	10-SEP-25	In Progress	100000

Figure 16: Project Table value insert

6.7 Milestone Table

The screenshot shows a database management interface with the following details:

Worksheet Tab: Contains the following SQL code:

```
INSERT INTO "MILESTONE" (milestoneid, milestonename, milestoneduedate, projectid, status)
VALUES ('M015', 'User Training', '2025-01-15', 'P009', 'Progress');

SELECT * From "MILESTONE";
```

Query Result Tab: Displays a table with 30 rows of data. The columns are:

	MILESTONEID	MILESTONENAME	MILESTONEUEDATE	PROJECTID	STATUS
1	M001	Design Phase	2024-02-01	P001	Completed
2	M002	Development Phase	2024-06-01	P001	Progress
3	M003	Testing Phase	2024-11-01	P001	Pending
4	M004	Requirement Analysis	2024-03-01	P002	Completed
5	M005	Deployment	2024-08-01	P002	Completed
6	M006	Planning Phase	2024-03-15	P003	Completed
7	M007	Execution Phase	2024-07-01	P003	On Hold
8	M008	Design Draft	2024-05-01	P004	Completed
9	M009	Prototype Build	2024-09-01	P004	Progress
10	M010	Final Testing	2024-12-01	P004	Pending
11	M013	Implementation	2024-10-01	P007	Completed
12	M014	Integration	2024-12-01	P008	On Hold
13	M015	User Training	2025-01-15	P009	Progress
14	M012	Gathering	2024-08-15	P006	Progress
15	M011	Planning	2024-06-01	P005	started
16	M016	Kickoff Meeting	2024-01-05	P001	Completed
17	M017	Initial Prototype	2024-04-15	P001	Progress
18	M018	Final Approval	2024-12-15	P001	Pending
19	M019	Design	2024-03-10	P002	Completed
20	M020	Code Review	2024-07-10	P002	Completed
21	M021	Deployment	2024-08-01	P002	Completed
22	M022	Allocation	2024-03-20	P003	Completed
23	M023	Assessment	2024-06-20	P003	On Hold
24	M024	Test Creation	2024-09-01	P003	Pending
25	M025	Definition	2024-05-01	P004	Completed
26	M026	Review	2024-10-01	P004	Progress
27	M027	Delivery Phase 1	2024-11-15	P004	Pending
28	M028	Contract Signing	2024-06-01	P005	Started
29	M029	Team Onboarding	2024-07-15	P005	Started
30	M030	Beta Release	2024-08-20	P006	Progress

Figure 17: Milestone Table value insert

6.8 UserTask Table

The screenshot shows the Oracle SQL Developer interface. The top menu bar displays 'Welcome Page' and 'BaralCorporation'. The toolbar includes icons for running queries, saving, and navigating. The main window has two tabs: 'Worksheet' and 'Query Builder', with 'Worksheet' selected. The worksheet contains the following SQL code:

```
VALUES (10, 'T-25');

INSERT INTO "USERTASK" (userid, taskid)
VALUES (11, 'T-26');
```

Below the worksheet is a 'Script Output' tab showing the results of the query execution:

All Rows Fetched: 30 in 0.136 seconds

USERID	TASKID
1 1	T-01
2 2	T-02
3 3	T-03
4 4	T-04
5 5	T-05
6 6	T-06
7 7	T-07
8 8	T-08
9 9	T-09
10 10	T-10
11 11	T-11
12 12	T-12
13 13	T-13
14 14	T-14
15 15	T-15
16 15	T-15
17 1	T-16
18 2	T-17
19 3	T-18
20 5	T-20
21 6	T-21
22 7	T-22
23 8	T-23
24 9	T-24
25 10	T-25
26 11	T-26
27 12	T-27
28 13	T-28
29 14	T-29
30 15	T-30

Figure 18: UserTask Table value insert

6.9 UserProject Table

The screenshot shows the SQL Server Management Studio interface. In the top window (Worksheet), there is a code editor containing the following SQL script:

```
INSERT INTO "USERPROJECT" (userid, projectid) VALUES (14, 'P012');
INSERT INTO "USERPROJECT" (userid, projectid) VALUES (14, 'P013');
INSERT INTO "USERPROJECT" (userid, projectid) VALUES (15, 'P014');
INSERT INTO "USERPROJECT" (userid, projectid) VALUES (15, 'P015');

SELECT * From USERPROJECT;
```

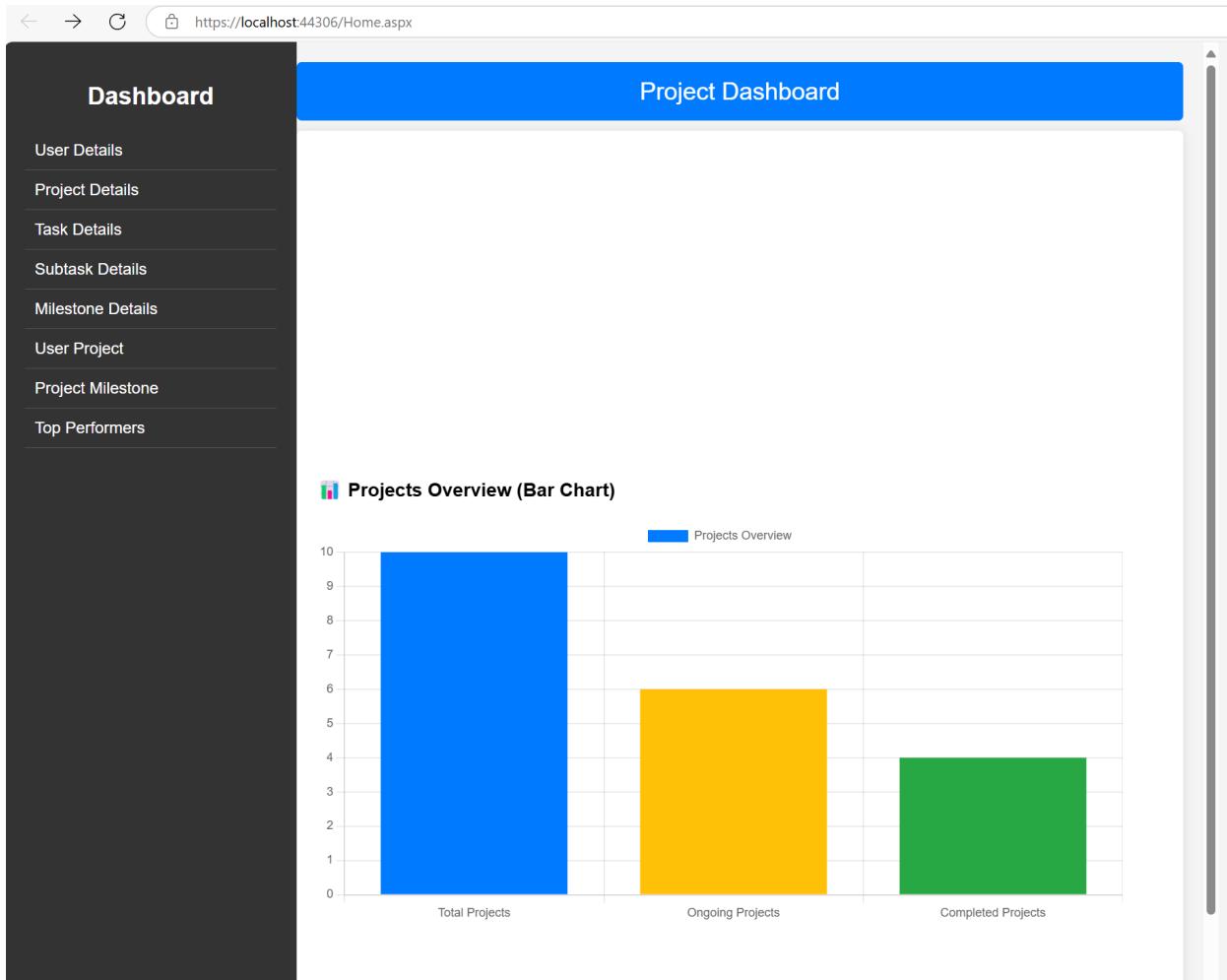
In the bottom window (Query Result), there is a table titled "SQL" showing the results of the SELECT query. The table has two columns: "USERID" and "PROJECTID". The data is as follows:

	USERID	PROJECTID
1	1	P001
2	1	P002
3	2	P003
4	2	P004
5	3	P005
6	3	P006
7	4	P007
8	4	P008
9	5	P009
10	5	P010
11	6	P011
12	6	P012
13	7	P013
14	7	P014
15	8	P015
16	8	P001
17	9	P002
18	9	P003
19	10	P004
20	10	P005
21	11	P006
22	11	P007
23	12	P008
24	12	P009
25	13	P010
26	13	P011
27	14	P012
28	14	P013
29	15	P014
30	15	P015

Figure 19:UserProject Table

7. Dashboard page

The interface consists of a sidebar menu on the left with multiple options such as *User Details*, *Project Details*, *Task Details*, *Subtask Details*, *Milestone Details*, *User Project*, *Project Milestone*, and *Top Performers*. The main content area displays a heading titled "Project Dashboard" with a blue background. Below the heading, there is a bar chart titled "*Projects Overview (Bar Chart)*", which visualizes data on different project categories. The chart includes three bars: a blue bar representing total projects, a yellow bar for ongoing projects, and a green bar for completed projects. The y-axis appears to show numerical values, likely representing the count of projects.



8. User Table

The image displays a user management table with columns for User ID, Username, User Email, and User Contact. Each row represents a user entry with corresponding Edit and Delete buttons for managing records.

	USERID	USERNAME	USEREMAIL	USERCONTACT
<button>Edit</button> <button>Delete</button>	1	avinab	avinav@gmail.com	9745358527
<button>Edit</button> <button>Delete</button>	2	pvinav	pvinav@gmail.com	9845358527
<button>Edit</button> <button>Delete</button>	3	nrinav	nrinav@gmail.com	9795358527
<button>Edit</button> <button>Delete</button>	4	prami	prami@gmail.com	9855057557
<button>Edit</button> <button>Delete</button>	5	srami	srami@gmail.com	9655057557
<button>Edit</button> <button>Delete</button>	6	rrami	rrami@gmail.com	9555057557
<button>Edit</button> <button>Delete</button>	7	saymi	saymi@gmail.com	9285057557
<button>Edit</button> <button>Delete</button>	8	aaymi	aaymi@gmail.com	9185057557
<button>Edit</button> <button>Delete</button>	9	gaymi	gaymi@gmail.com	9085057557
<button>Edit</button> <button>Delete</button>	10	ram	ram@gmail.com	9455057557
<button>Edit</button> <button>Delete</button>	11	shaym	shaym@gmail.com	9455057557
<button>Edit</button> <button>Delete</button>	12	nerick	nerick@gmail.com	9960847749
<button>Edit</button> <button>Delete</button>	13	bitin	bitin@gmail.com	9960847749

Edit	Delete	14	pushpa	pushpa@gmail.com	9960847749
Edit	Delete	15	nimesh	nimesh@gmail.com	9560847749
New					

Edit option in user table

In this image I have shown that there is an edit option here where I have changed the name of the username from avinav to avina

	USERID	USERNAME	USEREMAIL	USERCONTACT
Update Cancel	1	avina	avinav@gmail.com	9745358527

And here after the change in username I have updated and then it have been updated

	USERID	USERNAME	USEREMAIL	USERCONTACT
Edit	1	avina	avinav@gmail.com	9745358527

The new add option is available where while inserting the new value the “USERID”, “USERNAME”, “USEREMAIL” and the “USERCONTACT” is been asked

USERID:
16

USERNAME:
SAU

USEREMAIL:
sau@gmail.com

USERCONTACT:
9860842249

Insert **Cancel**

And after adding the data and pressing on insert button the new data have been inserted.

	Edit	Delete	16	SAU	sau@gmail.com
					9860842249
;	New				

9. Project Table

The image shows a project table with multiple projects. Each project has details like Project ID, Project Name, Start Date, Due Date, Status, and Budget. There are Edit and Delete buttons for each project, and a New button at the bottom to add a new project. The project statuses include In Progress, Completed, On Hold, and Not Started.

	ProjectID	ProjectName	ProjectStartDate	ProjectDueDate	ProjectStatus	Budget
<button>Edit</button> <button>Delete</button>	P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000
<button>Edit</button> <button>Delete</button>	P002	Project Giphya	2/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	60000
<button>Edit</button> <button>Delete</button>	P003	Project Gamma	9/1/2024 12:00:00 AM	9/1/2024 12:00:00 AM	On Hold	70000
<button>Edit</button> <button>Delete</button>	P004	Project Delta	4/10/2024 12:00:00 AM	11/10/2024 12:00:00 AM	In Progress	100000
<button>Edit</button> <button>Delete</button>	P005	Project Epsilon	6/1/2024 12:00:00 AM	12/20/2024 12:00:00 AM	Not Started	30000
<button>Edit</button> <button>Delete</button>	P006	Project Zeta	6/1/2024 12:00:00 AM	6/1/2025 12:00:00 AM	In Progress	200000
<button>Edit</button> <button>Delete</button>	P007	Project Eta	7/10/2024 12:00:00 AM	1/10/2025 12:00:00 AM	Completed	90000
<button>Edit</button> <button>Delete</button>	P008	Project Theta	2/1/2025 12:00:00 AM	2/1/2025 12:00:00 AM	On Hold	80000
<button>Edit</button> <button>Delete</button>	P009	Project Iota	9/1/2024 12:00:00 AM	9/1/2024 12:00:00 AM	In Progress	50000
<button>Edit</button> <button>Delete</button>	P010	Project Kappa	12/1/2024 12:00:00 AM	3/15/2025 12:00:00 AM	Completed	60000
<button>Edit</button> <button>Delete</button>	P011	Project Lambda	1/1/2025 12:00:00 AM	6/1/2025 12:00:00 AM	Not Started	100000
<button>Edit</button> <button>Delete</button>	P012	Project Mu	12/1/2024 12:00:00 AM	6/1/2025 12:00:00 AM	In Progress	100000
<button>Edit</button> <button>Delete</button>	P013	Project Nu	1/1/2025 12:00:00 AM	7/1/2025 12:00:00 AM	Completed	100000
<button>Edit</button> <button>Delete</button>	P014	Project Xi	8/15/2025 12:00:00 AM	8/15/2025 12:00:00 AM	On Hold	100000
<button>Edit</button> <button>Delete</button>	P015	Project Omicron	3/10/2025 12:00:00 AM	9/10/2025 12:00:00 AM	In Progress	100000

The image shows a form for adding a new project. It contains input fields for entering Project ID, Project Name, Project Start Date, Project Due Date, Project Status, and Budget. Below the fields, there are two buttons: "Insert" to submit the project details and "Cancel" to discard the entry.

PROJECTID:

PROJECTNAME:

PROJECTSTARTDATE:

PROJECTDUEDATE:

PROJECTSTATUS:

BUDGET:

Buttons:

10. Task Table

This image shows a project task management table with 15 tasks (T-01 through T-15) listing details such as task names, start and due dates, status, project IDs, and assignee numbers. Each task has edit and delete buttons. The tasks span various development phases including design, development, deployment, and testing, with statuses marked as "In Progress," "Not Started," or "Completed."

	TASKID	TASKNAME	TASKSTARTDATE	TASKDUEDATE	TASKSTATUS	PROJECTID	ASSIGNEDTO
<button>Edit</button> <button>Delete</button>	T-01	Design	1/1/2024 12:00:00 AM	1/15/2024 12:00:00 AM	In Progress	P001	1
<button>Edit</button> <button>Delete</button>	T-02	Development	1/5/2024 12:00:00 AM	2/5/2024 12:00:00 AM	Not Started	P001	2
<button>Edit</button> <button>Delete</button>	T-03	Rechecking	1/10/2024 12:00:00 AM	1/20/2024 12:00:00 AM	In Progress	P002	3
<button>Edit</button> <button>Delete</button>	T-04	Deployment	2/1/2024 12:00:00 AM	2/15/2024 12:00:00 AM	Completed	P002	4
<button>Edit</button> <button>Delete</button>	T-05	UI/UX Design	2/10/2024 12:00:00 AM	2/28/2024 12:00:00 AM	In Progress	P003	5
<button>Edit</button> <button>Delete</button>	T-06	Backend Develop	2/15/2024 12:00:00 AM	3/5/2024 12:00:00 AM	Not Started	P004	7
<button>Edit</button> <button>Delete</button>	T-07	Front Develop	2/20/2024 12:00:00 AM	3/5/2024 12:00:00 AM	In Progress	P004	7
<button>Edit</button> <button>Delete</button>	T-08	Database Setup	3/1/2024 12:00:00 AM	3/15/2024 12:00:00 AM	In Progress	P005	8
<button>Edit</button> <button>Delete</button>	T-09	API Integration	3/5/2024 12:00:00 AM	3/25/2024 12:00:00 AM	In Progress	P005	9
<button>Edit</button> <button>Delete</button>	T-10	Layouting	3/10/2024 12:00:00 AM	3/25/2024 12:00:00 AM	Completed	P005	10
<button>Edit</button> <button>Delete</button>	T-11	Research	3/15/2024 12:00:00 AM	4/1/2024 12:00:00 AM	In Progress	P006	11
<button>Edit</button> <button>Delete</button>	T-12	Document making	3/20/2024 12:00:00 AM	4/5/2024 12:00:00 AM	In Progress	P006	12
<button>Edit</button> <button>Delete</button>	T-13	Client Feedback	4/1/2024 12:00:00 AM	4/10/2024 12:00:00 AM	In Progress	P007	13
<button>Edit</button> <button>Delete</button>	T-14	Error Fixes	4/5/2024 12:00:00 AM	4/15/2024 12:00:00 AM	Not Started	P007	14
<button>Edit</button> <button>Delete</button>	T-15	Frontend Design	4/10/2024 12:00:00 AM	4/20/2024 12:00:00 AM	In Progress	P008	15

Project Details		Timeline		Status		Team	
ID	Name	Start Date	End Date	Status	Lead	Members	
T-16	Server Setup	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	In Progress	P008	1	
T-17	API Development	4/20/2024 12:00:00 AM	5/1/2024 12:00:00 AM	Not Started	P009	2	
T-18	Testing	4/25/2024 12:00:00 AM	5/5/2024 12:00:00 AM	In Progress	P009	3	
T-19	Design Review	5/5/2024 12:00:00 AM	5/15/2024 12:00:00 AM	In Progress	P010	5	
T-20	Security Review	5/10/2024 12:00:00 AM	5/20/2024 12:00:00 AM	Not Started	P011	6	
T-21	Launch Campaign	6/1/2024 12:00:00 AM	6/15/2024 12:00:00 AM	In Progress	P013	10	
T-22	Perform test	5/15/2024 12:00:00 AM	5/30/2024 12:00:00 AM	Completed	P011	7	
T-23	Database check	5/20/2024 12:00:00 AM	5/30/2024 12:00:00 AM	In Progress	P012	8	
T-24	Code Refactor	5/25/2024 12:00:00 AM	6/5/2024 12:00:00 AM	Completed	P012	9	
T-25	Final Testing	6/5/2024 12:00:00 AM	6/15/2024 12:00:00 AM	Completed	P013	11	
T-26	Documentation	6/10/2024 12:00:00 AM	6/20/2024 12:00:00 AM	In Progress	P014	12	
T-27	User Training	6/15/2024 12:00:00 AM	6/25/2024 12:00:00 AM	In Progress	P014	13	
T-28	Bug Fixing	6/20/2024 12:00:00 AM	6/30/2024 12:00:00 AM	In Progress	P015	14	
T-29	Project take	6/25/2024 12:00:00 AM	7/5/2024 12:00:00 AM	In Progress	P015	15	
T-30	Synchronize	7/5/2024 12:00:00 AM	7/15/2024 12:00:00 AM	In Progress	P015	1	
New							

This image displays a task creation form with empty input fields for entering task details. The form includes labels for TASKID, TASKNAME, TASKSTARTDATE, TASKDUEDATE, TASKSTATUS, PROJECTID, and ASSIGNEDTO, all organized in a vertical layout with corresponding text boxes for data entry. At the bottom of the form are two action buttons: a teal "Insert" button for submitting the new task information and a "Cancel" button for abandoning the entry. This form appears to be the interface for adding new tasks to the project management system shown in the previous image.

The form consists of seven input fields, each preceded by a label in bold blue text:

- TASKID:** (empty input field)
- TASKNAME:** (empty input field)
- TASKSTARTDATE:** (empty input field)
- TASKDUEDATE:** (empty input field)
- TASKSTATUS:** (empty input field)
- PROJECTID:** (empty input field)
- ASSIGNEDTO:** (empty input field)

At the bottom of the form are two teal-colored buttons:

- A left button labeled "Insert" in white text.
- A right button labeled "Cancel" in white text.

11. Subtask table

This table displays a list of subtasks that correspond to the main tasks shown in the previous table. Each subtask includes its ID, name, associated parent task ID, start date, and due date. Each row has edit and delete buttons for managing the entries.

	SUBTASKID	SUBTASKNAME	TASKID	SUBTASKSTARTDATE	SUBTASKDUEDATE
<button>Edit</button> <button>Delete</button>	S-001	UI Wireframes	T-01	1/1/2024 12:00:00 AM	1/10/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-002	Logo Design	T-01	1/11/2024 12:00:00 AM	1/15/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-003	Backend Setup	T-02	1/16/2024 12:00:00 AM	1/20/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-004	Database Schema	T-02	1/20/2024 12:00:00 AM	1/25/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-005	Unit Testing	T-03	2/1/2024 12:00:00 AM	2/1/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-006	Integration Test	T-03	2/3/2024 12:00:00 AM	2/10/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-007	Server Deployment	T-04	2/11/2024 12:00:00 AM	2/20/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-008	Script Testing	T-04	2/21/2024 12:00:00 AM	2/28/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-009	Mockups Design	T-05	1/30/2024 12:00:00 AM	1/30/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-010	Prototyping	T-05	1/31/2024 12:00:00 AM	2/10/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-011	UI Components	T-06	2/11/2024 12:00:00 AM	2/20/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-012	Code Review	T-06	2/21/2024 12:00:00 AM	2/28/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-013	API Testing	T-07	3/1/2024 12:00:00 AM	3/10/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-014	Unit Tests	T-07	3/11/2024 12:00:00 AM	3/15/2024 12:00:00 AM
<button>Edit</button> <button>Delete</button>	S-015	UI Refinements	T-08	3/16/2024 12:00:00 AM	3/25/2024 12:00:00 AM

Edit	S-016	Bug Fixing	T-08	3/26/2024 12:00:00 AM	4/5/2024 12:00:00 AM
Edit	S-017	Report Analysis	T-09	4/6/2024 12:00:00 AM	4/15/2024 12:00:00 AM
Edit	S-018	Form Validation	T-09	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM
Edit	S-019	Security Review	T-10	4/26/2024 12:00:00 AM	5/5/2024 12:00:00 AM
Edit	S-020	Performance Test	T-10	5/6/2024 12:00:00 AM	5/15/2024 12:00:00 AM
Edit	S-021	Documentation	T-11	5/16/2024 12:00:00 AM	5/20/2024 12:00:00 AM
Edit	S-022	UX Testing	T-11	5/21/2024 12:00:00 AM	5/25/2024 12:00:00 AM
Edit	S-023	Content Upload	T-12	5/26/2024 12:00:00 AM	5/30/2024 12:00:00 AM
Edit	S-024	Design Review	T-12	6/1/2024 12:00:00 AM	6/5/2024 12:00:00 AM
Edit	S-025	Client Feedback	T-13	6/6/2024 12:00:00 AM	6/15/2024 12:00:00 AM
Edit	S-026	Bug Reporting	T-13	6/16/2024 12:00:00 AM	6/20/2024 12:00:00 AM
Edit	S-027	Feature Testing	T-14	6/21/2024 12:00:00 AM	6/30/2024 12:00:00 AM
Edit	S-028	User Testing	T-14	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM
Edit	S-029	Code Optimization	T-15	7/6/2024 12:00:00 AM	7/15/2024 12:00:00 AM
Edit	S-030	Final Review	T-15	7/16/2024 12:00:00 AM	7/20/2024 12:00:00 AM

New

This image shows a form interface for creating or adding a new subtask in a project management system. The form contains five input fields labeled SUBTASKID, SUBTASKNAME, TASKID, SUBTASKSTARTDATE, and SUBTASKDUEDATE - each with an empty text box for entering information. At the bottom of the form are two action buttons: a teal "Insert" button to submit the new subtask data, and a "Cancel" button to abandon the entry.

SUBTASKID:

SUBTASKNAME:

TASKID:

SUBTASKSTARTDATE:

SUBTASKDUEDATE:

Insert **Cancel**

12. Milestone Table

This table displays project milestones tracking key deliverables across multiple projects. Each entry includes the milestone ID, name, due date, project ID, and current status (Completed, Progress, Pending, On Hold, or Started).

	MILESTONEID	MILESTONENAME	MILESTONEUEDATE	PROJECTID	STATUS
Edit Delete	M001	Design Phase	2024-02-01	P001	Completed
Edit Delete	M002	Development Phase	2024-06-01	P001	Progress
Edit Delete	M003	Testing Phase	2024-11-01	P001	Pending
Edit Delete	M004	Requirement Analysis	2024-03-01	P002	Completed
Edit Delete	M005	Deployment	2024-08-01	P002	Completed
Edit Delete	M006	Planning Phase	2024-03-15	P003	Completed
Edit Delete	M007	Execution Phase	2024-07-01	P003	On Hold
Edit Delete	M008	Design Draft	2024-05-01	P004	Completed
Edit Delete	M009	Prototype Build	2024-09-01	P004	Progress
Edit Delete	M010	Final Testing	2024-12-01	P004	Pending
Edit Delete	M011	Planning	2024-06-01	P005	Started
Edit Delete	M012	Gathering	2024-08-15	P006	Progress
Edit Delete	M013	Implementation	2024-10-01	P007	Completed
Edit Delete	M014	Integration	2024-12-01	P008	On Hold
Edit Delete	M015	User Training	2025-01-15	P009	Progress

Project Phases Overview					
Phase ID	Phase Name	Description	Start Date	Lead	Status
M016	Kickoff Meeting	Initial Prototype	2024-01-05	P001	Completed
M017	Initial Prototype	Final Approval	2024-04-15	P001	Progress
M018	Design	Code Review	2024-12-15	P001	Pending
M019	Allocation	Deployment	2024-03-10	P002	Completed
M020	Assessment	Test Creation	2024-07-10	P002	Completed
M021	Definition	Review	2024-08-01	P002	Completed
M022	Delivery Phase 1	Contract Signing	2024-03-20	P003	Completed
M023	Team Onboarding	Beta Release	2024-06-20	P003	On Hold
M024	Review	Delivery Phase 2	2024-09-01	P003	Pending
M025	Contract Signing	Final Approval	2024-05-01	P004	Completed
M026	Beta Release	Deployment	2024-10-01	P004	Progress
M027	Team Onboarding	Test Creation	2024-11-15	P004	Pending
M028	Final Approval	Design	2024-06-01	P005	Started
M029	Deployment	Allocation	2024-07-15	P005	Started
M030	Test Creation	Definition	2024-08-20	P006	Progress
New					

This image shows a data entry form for adding a new milestone to the project management system. The form contains five input fields labeled MILESTONEID, MILESTONENAME, MILESTONEDUEDATE, PROJECTID, and STATUS, each with an empty text box for entering information. At the bottom of the form are two buttons: a teal "Insert" button for submitting the new milestone data and a "Cancel" button for abandoning the entry.

The image displays a clean, modern data entry interface. It features a light gray background with a white rectangular form area. The form is organized into five horizontal rows, each consisting of a blue label followed by a white input field. The labels are: 'MILESTONEID:', 'MILESTONENAME:', 'MILESTONEDUEDATE:', 'PROJECTID:', and 'STATUS:'. Below these five rows is a horizontal row containing two teal-colored buttons: 'Insert' on the left and 'Cancel' on the right. The overall design is minimalist and professional.

MILESTONEID:	<input type="text"/>
MILESTONENAME:	<input type="text"/>
MILESTONEDUEDATE:	<input type="text"/>
PROJECTID:	<input type="text"/>
STATUS:	<input type="text"/>
<input type="button" value="Insert"/> <input type="button" value="Cancel"/>	

13. Complex Form

13.1 User Project

The screenshot shows a user interface for managing projects. At the top, there is a dropdown menu with the option "avinab" selected. Below the dropdown is a table with ten columns, each representing a different attribute of a project. The table has two rows of data, corresponding to two projects assigned to the user "avinab".

USERID	USERNAME	USEREMAIL	USERCONTACT	PROJECTID	PROJECTNAME	PROJECTSTARTDATE	PROJECTDUEDATE	PROJECTSTATUS	BUDGET
1	avinab	avinav@gmail.com	9745358527	P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000
1	avinab	avinav@gmail.com	9745358527	P002	Project Gpha	2/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	60000

The image presents a user interface, likely a web-based application, focused on displaying project information associated with a selected user, "avinab." At the top, a dropdown menu clearly indicates the user context, suggesting the ability to switch between different users and view their respective project data. Below, a structured table organizes project details into distinct columns. Each row in the table represents a specific project assigned to "avinab," showcasing key attributes like the user's ID, name, email, and contact information, alongside project-specific details such as project ID, name, start and due dates, current status, and allocated budget.

13.2 Project Milestone

The screenshot shows a user interface for managing project milestones. At the top, there is a dropdown menu labeled "Project Alpha". Below it is a table with the following columns: PROJECTID, PROJECTNAME, PROJECTSTARTDATE, PROJECTDUEDATE, PROJECTSTATUS, BUDGET, MILESTONEID, MILESTONENAME, MILESTONEUEDATE, and STATUS. The table contains six rows, all of which belong to the same project (P001) and are named "Project Alpha". The rows represent different milestones: "Design Phase" (status: Completed), "Development Phase" (status: Progress), "Testing Phase" (status: Pending), "Kickoff Meeting" (status: Completed), "Initial Prototype" (status: Progress), and "Final Approval" (status: Pending). The dates for the milestones range from January 1, 2024, to December 15, 2024.

PROJECTID	PROJECTNAME	PROJECTSTARTDATE	PROJECTDUEDATE	PROJECTSTATUS	BUDGET	MILESTONEID	MILESTONENAME	MILESTONEUEDATE	STATUS
P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000	M001	Design Phase	2024-02-01	Completed
P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000	M002	Development Phase	2024-06-01	Progress
P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000	M003	Testing Phase	2024-11-01	Pending
P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000	M016	Kickoff Meeting	2024-01-05	Completed
P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000	M017	Initial Prototype	2024-04-15	Progress
P001	Project Alpha	1/1/2024 12:00:00 AM	12/31/2024 12:00:00 AM	In Progress	50000	M018	Final Approval	2024-12-15	Pending

This picture shows a with information about a project called "Project Alpha." At the top, you can pick different projects. Below, there's a table with details. The table shows the project's ID, name, start date, due date, status, and budget. It also lists smaller parts of the project, called milestones. Each milestone has a name, due date, and status (done, in progress, or not started). You can see which milestones are finished and which are still being worked on.