**Function**: View worker’s info

**Input**: @Username, @Password

**Outputs**: Id, Name

**Pseudocode**:

Connect to the database

Query = SELECT w.Id, w.Name

FROM Worder AS w

WHERE w.Username = @Usename AND w.Password = @Password

Parse Query

Execute Query

Close connection to the database

**Function**: View worker’s supply

**Input**: @Username, @Password

**Outputs**: Name, Quantity, Expected

**Pseudocode**:

Connect to the database

Query = SELECT s.Name, s.Quantity, s.Expected

FROM Supply AS s, Worker AS w

WHERE w.name = @usename AND w.password = @password

AND w.Id = s.W\_id

Parse Query

Execute Query

Close connection to the database

**Function**: View worker’s submissions

**Input**: @Username, @Password

**Outputs**: Submit\_time, M\_id, #product

**Pseudocode**:

Connect to the database

Query = SELECT s. Submit\_time, s. M\_id, s. #product

FROM Submission AS s, Worker AS w

WHERE w.name = @usename AND w.password = @password

AND w.Id = s.W\_id

Parse Query

Execute Query

Close connection to the database

**Function**: Add project

**Input**: @Name, @C\_name, @Priority, @Deadline

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = INSERT INTO Project (@Name, @C\_name, @Priority, @Deadline)

Parse Query

Execute Query

Close connection to the database

**Function**: Add product to project

**Input**: @Id, @P\_name, @Size, @Color, @Rate, @Rattler

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = INSERT INTO Product (@Id, @P\_name, @Size, @Color, @Rate, @Rattler)

Parse Query

Execute Query

Close connection to the database

**Function**: Update project’s products

**Input**: @Id, @P\_name, @Size, @Color, @Rate, @Rattler

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = UPDATE Project

SET Size = @Size, Color = @Color, Rate = @Rate, Rattler = @Rattler

WHERE Id = @Id AND P\_name = @P\_name

Parse Query

Execute Query

Close connection to the database

**Function**: Update project’s details

**Input**: @Name, @C\_name, @Priority, @Deadline

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = UPDATE Project

SET C\_name = @C\_name, Priority = @Priority, Deadline = @Deadline

WHERE Name = @Name

Parse Query

Execute Query

Close connection to the database

**Function**: Remove project

**Input**: @Name, @C\_name

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = DELETE FROM Project

WHERE Name = @Name AND C\_name = @C\_name

Parse Query

Execute Query

Close connection to the database

**Function**: Add worker

**Input**: @Id, @Name, @Username, @Password

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = INSERT INTO Worker (@Id, @Name, @Username, @Password)

Parse Query

Execute Query

Close connection to the database

**Function**: Remove worker

**Input**: @Id

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = DELETE FROM Worker

WHERE Id = @Id

Parse Query

Execute Query

Close connection to the database

**Function**: Update worker’s details

**Input**: @Id, @Name, @Username, @Password

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = UPDATE Worker

SET Name = @Name, Username = @Username, Password = @Password

WHERE Id = @Id

Parse Query

Execute Query

Close connection to the database

**Function**: Add submission

**Input**: @Submit\_time, @W\_id, @M\_id, @#product

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = INSERT INTO Submission (@Submit\_time, @W\_id, @M\_id, @#product)

Parse Query

Execute Query

Close connection to the database

**Function**: Edit submission

**Input**: @Submit\_time, @W\_id, @M\_id, @#product

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = UPDATE Submission

SET #product = @#product

WHERE W\_id = @W\_id AND M\_id = @M\_id AND Submit\_time = @Submit\_time

Parse Query

Execute Query

Close connection to the database

**Function**: Cancel worker

**Input**: @Submit\_time, @W\_id, @M\_id

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = DELETE FROM Submission

WHERE W\_id = @W\_id AND M\_id = @M\_id AND Submit\_time = @Submit\_time

Parse Query

Execute Query

Close connection to the database

**Function**: View payments

**Input**: @W\_id, @M\_id, @Submit\_time, @SW\_id, @SM\_id

**Outputs**: Date\_paid, Amount

**Pseudocode**:

Connect to the database

Query = SELECT p.Date\_paid, p.Amount

FROM Payment AS p

WHERE p.W\_id = @W\_id AND p.M\_id = @M\_id AND p.Submit\_time = @Submit\_time AND p.SW\_id = @SW\_id AND p.SM\_id = @SM\_id

Parse Query

Execute Query

Close connection to the database

**Function**: View submission report

**Input**: @Submit\_time

**Outputs**: Submit\_time, W\_id , M\_id, #product

**Pseudocode**:

Connect to the database

Query = SELECT s.Submit\_time, s.W\_id ,s.M\_id, s. #product

FROM Submission AS s

WHERE s.Submit\_time > @Submit\_time

Parse Query

Execute Query

Close connection to the database

**Function**: Assign tasks

**Input**: @Id, @W\_id, @Name, @Quantity, @Expected

**Outputs**: None

**Pseudocode**:

Connect to the database

Query = INSERT INTO Supply (@Id, @W\_id, @Name, @Quantity, @Expected)

Parse Query

Execute Query

Close connection to the database