**i. Create/Delete/Edit/Display an Employer**

1)Create:

INSERT INTO employer (email, username, password,activated)

VALUES ($email, $username, $hashedPwd ,1)

2)Delete:

DELETE FROM employer WHERE eID=$\_SESSION['employerID']

3)Edit:

UPDATE employer

SET email=$email ,username=$username ,password=$pwd,activated=$activated

WHERE eID=$\_SESSION['employerID']

4)Display

SELECT \* FROM employer WHERE eID=$\_SESSION['employerID']

**ii. Create/Delete/Edit/Display a category by an Employer.**

if($category == "Prime") {$charge = 50; $numberOfJobs = 5; }

if ($category == 'Gold'){$charge = 100; $numberOfJobs = 100; }

1)Create:

INSERT INTO employercategory (eID, category, charge, numberOfJobs)

VALUES ($employerID, $category, $charge, $numberOfJobs)

2)Delete:

DELETE FROM employercategory WHERE eID=$\_SESSION['employerID']

3)Edit:

UPDATE employercategory

SET category= $category, charge=$charge, numberOfJobs=$numberOfJobs

WHERE eID=$\_SESSION['employerID']

4)Display

SELECT \* FROM employercategory WHERE eID=$\_SESSION['employerID']

**iii. Post a new job by an employer**

INSERT INTO job (name, description, category, salary, employer\_eID, user\_uID ，accept) VALUES ($name, $description, $category, $salary, $\_SESSION['employerID'], -1, $ accept)

//user\_uID =-1 means It is a job posting, user\_uID>0 means it is an application

// when user\_uID=-1, $accept means the number of needed employees to the post

**iv. Provide a job offer for an employee by an employer**

UPDATE job

SET accept=1

WHERE jID=$jID AND employer\_eID=$\_SESSION['employerID'] AND user\_uID=$uID AND accept=0

**v. Report of a posted job by an employer (Job title and description, date posted, list of employees applied to the job and status of each application)**

SELECT J1.employer\_eID,J1.jID,J1.name,J1.date,J1.description,J2.user\_uID,J2.accept

FROM job J1,job J2

WHERE J1.jID=J2.jID AND J1.employer\_eID=J2.employer\_eID AND J1.jID=1 AND J1.employer\_eID=1 AND J1.user\_uID=-1 AND J2.user\_uID!=-1

//When user.uID!=-1.

accept=0, the applicant applied for job but haven't get the response,

accept=1, the employer sent the offer but the applicant hasn't decided to deny or accept

accept=2, the applicant accepted the offer

accept=3, the applicant denied the offer

**vi. Report of posted jobs by an employer during a specific period of time (Job title, date posted, short description of the job up to 50 characters, number of needed employees to the post, number of applied jobs to the post, number of accepted offers).**

**vii. Create/Delete/Edit/Display an Employee.**

1)Create:

INSERT INTO user (email, username, password, account,\_aID,activated)

VALUES ($email, $username, $hashedPwd ,$account\_aID,1)

2)Delete:

DELETE FROM user WHERE uID=$\_SESSION['userID']

3)Edit:

UPDATE user

SET email=$email ,username=$username ,password=$pwd,account\_aID=$account\_aID,activated=$activated

WHERE eID=$\_SESSION['userID']

4)Display

SELECT \* FROM user WHERE uID=$\_SESSION['userID']

**viii. Search for a job by an employee.**

**ix. Apply for a job by an employee.**

**x. Accept/Deny a job offer by an employee.**

**xi. Withdraw from an applied job by an employee**