SQL Queries

QUERY ONE

Description
Get the name of every test engineer

SQL
SELECT name
FROM Engineer
WHERE Role = 'Test'

Table

NAME
Cody Strange
mary Strange
Gary Brown
Linton Nona
John Smith

QUERY TWO

Description
Get all of the test ids and descriptions of failed tests

SQL
SELECT Software.Software_Id, Software.Description
FROM Software
JOIN Executes
ON Executes.Software_Id = Software.Software_Id
WHERE Result = 'Fail';

Table

SOFTWARE_ID	DESCRIPTION
000000003	Test home button
000000003	Test home button
000000003	Test home button
000000010	Test voice chat

QUERY THREE

Description

Get all of the test ids and descriptions of passed tests

SQL

SELECT Software.Software_Id, Software.Description
FROM Software
JOIN Executes
ON Executes.Software_Id = Software.Software_Id
WHERE Result = 'Pass';

Table

SOFTWARE_ID	DESCRIPTION
000000001	Tests for bug one
000000003	Test home button
000000003	Test home button
000000003	Test home button
000000010	Test voice chat
000000010	Test voice chat

QUERY FOUR

Description

What time the tests that failed were ran and the names of the engineer who ran them

SQL

SELECT   Software.Software_Id,   Software.Description,   Executes.Result,   Time.DOB,   Time.Time,
Engineer.Name
FROM Software
JOIN Executes
ON Executes.Software_Id = Software.Software_Id
JOIN Time
ON Time.Execute_Id = Executes.Execute_Id
JOIN Programs
ON Programs.Software_Id = Software.Software_Id
JOIN Engineer
ON Engineer.Employee_Id = Programs.Employee_Id
WHERE Result = 'Fail';

Table

SOFTWARE_ID	DESCRIPTION	RESULT	DOB	TIME	NAME
000000003	Test home button	Fail	12/01/2021	10:15	Cody Strange
000000003	Test home button	Fail	01/10/2022	13:22	Cody Strange
000000003	Test home button	Fail	03/11/2022	10:16	Cody Strange
000000003	Test home button	Fail	12/01/2021	10:15	Gary Brown
000000003	Test home button	Fail	01/10/2022	13:22	Gary Brown
000000003	Test home button	Fail	03/11/2022	10:16	Gary Brown
000000010	Test voice chat	Fail	12/09/2021	15:10	John Smith
000000003	Test home button	Fail	12/01/2021	10:15	John Smith
000000003	Test home button	Fail	01/10/2022	13:22	John Smith
000000003	Test home button	Fail	03/11/2022	10:16	John Smith

QUERY FIVE

Description
What tests did the employee Cody Strange work on

SQL
SELECT Software.Software_Id, Software.Description, Engineer.Name
FROM Software
JOIN Programs
ON Programs.Software_Id = Software.software_Id
JOIN Engineer
ON Engineer.Employee_Id = Programs.Employee_Id
Where Engineer.Name = 'Cody Strange'

Table

SOFTWARE_ID	DESCRIPTION	NAME
000000003	Test home button	Cody Strange