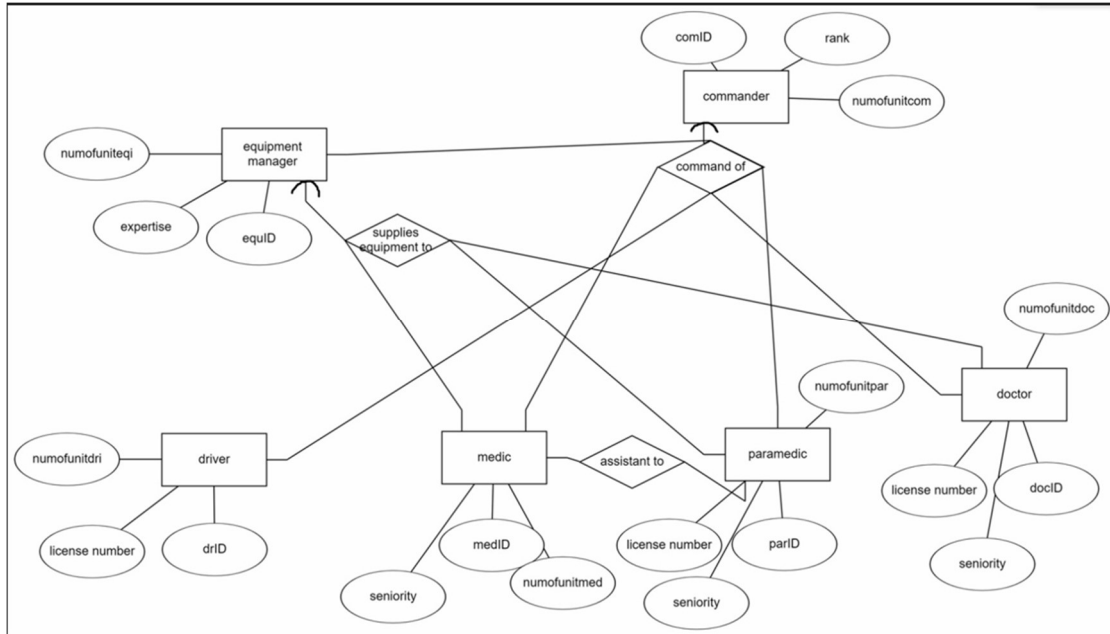


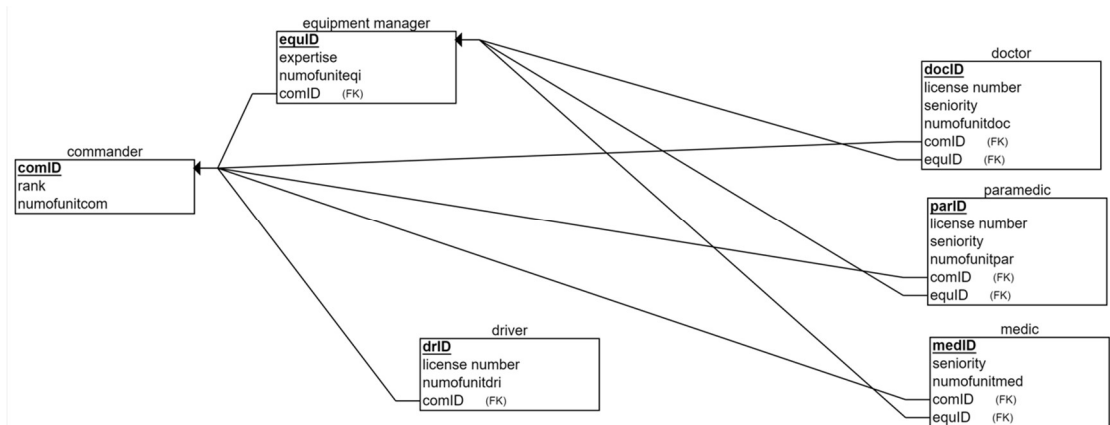
דוח שלב 4

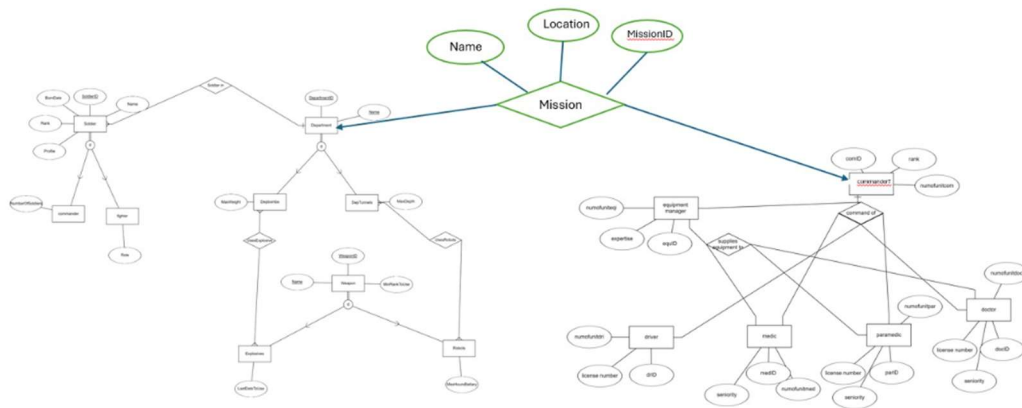
בשלב זה נעשה אינטגרציה עם חיל התאגד הקרבי

ERD של התאגד :

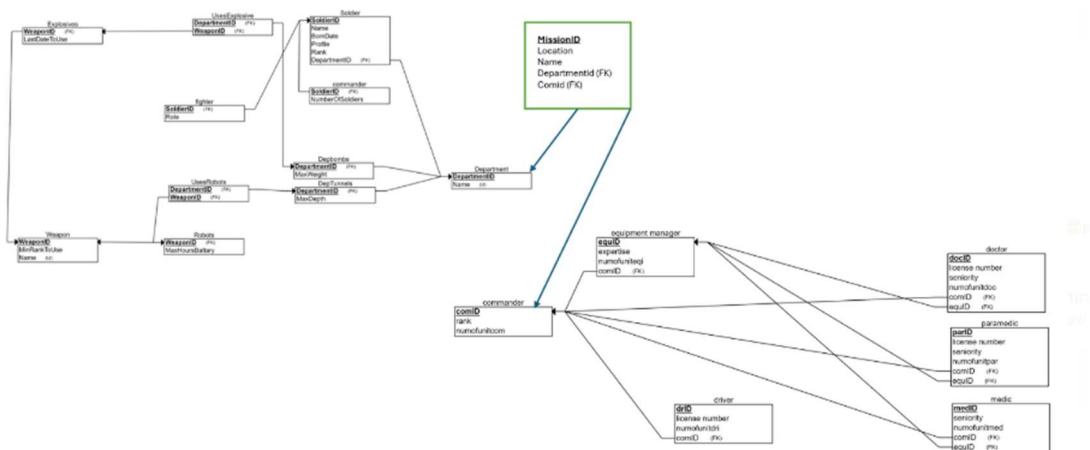


DSD של התאגד:





DSD משותף



הסבר על האינטגרציה:

באינטגרציה בעצם יצרנו את טבלת המבצעים שמשלבים בין ההנדסה הקרבית לתאגד..
כל מבצע מכיל מחלקה אחת ותאגד אחד עם מיקום ושם..
הינה קוד ליצרת הטבלה והנתונים:

CREATE TABLE Mission

)

MissionID INT NOT NULL,

Name VARCHAR2(30) NOT NULL,

Location VARCHAR2(30) NOT NULL,

DepartmentID INT NOT NULL,

ComID INT NOT NULL,

PRIMARY KEY (MissionID),

FOREIGN KEY (DepartmentID) REFERENCES Department(DepartmentID),

FOREIGN KEY (ComID) REFERENCES CommanderT(ComID)

;(

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (1, 'mission1', 'jenin', 1, 854567801);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (2, 'mission2', 'halhul', 2, 597170275);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (3, 'mission3', 'ramalla', 3, 284456997);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (4, 'mission4', 'gaza', 4, 382340873);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (5, 'mission5', 'jenin', 5, 456542193);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (6, 'mission6', 'halhul', 6, 239021751);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (7, 'mission7', 'ramalla', 7, 784035019);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (8, 'mission8', 'gaza', 8, 458692899);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (9, 'mission9', 'jenin', 9, 513254138);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (10, 'mission10', 'halhul', 10, 733741583);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (11, 'mission11', 'ramalla', 31, 676175225);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (12, 'mission12', 'gaza', 32, 292483544);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (13, 'mission13', 'jenin', 33, 376752575);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (14, 'mission14', 'halhul', 34, 383487578);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (15, 'mission15', 'ramalla', 35, 661373728);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (16, 'mission16', 'gaza', 36, 611570580);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (17, 'mission17', 'jenin', 37, 646340985);

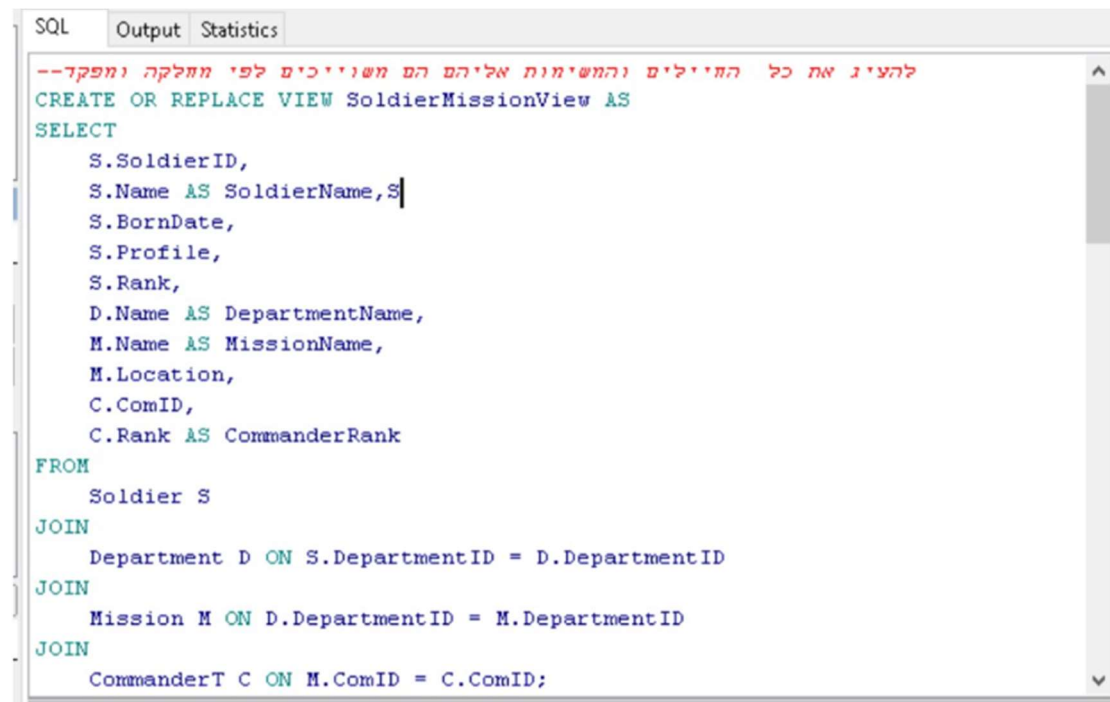
INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (18, 'mission18', 'halhul', 38, 477760344);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (19, 'mission19', 'ramalla', 39, 933504468);

INSERT INTO Mission (MissionID, Name, Location, DepartmentID, ComID) VALUES (20, 'mission20', 'gaza', 40, 854567801);

תיאור במבטים:

מבט 1:



The screenshot shows a SQL query editor with a tab labeled 'SQL'. The query is written in English and Hebrew. At the top, there is a comment in Hebrew: 'להציג את כל החיילים והמשימות אליהם הם חשויים לפי מחלקה ומפקד--'. Below this, the query defines a view named 'SoldierMissionView' using the 'CREATE OR REPLACE VIEW' statement. The view is defined as a SELECT query that joins four tables: 'Soldier' (S), 'Department' (D), 'Mission' (M), and 'CommanderT' (C). The SELECT clause lists the following columns: S.SoldierID, S.Name AS SoldierName, S.BornDate, S.Profile, S.Rank, D.Name AS DepartmentName, M.Name AS MissionName, M.Location, C.ComID, and C.Rank AS CommanderRank. The FROM clause starts with 'Soldier S'. The JOIN clauses are: 'JOIN Department D ON S.DepartmentID = D.DepartmentID', 'JOIN Mission M ON D.DepartmentID = M.DepartmentID', and 'JOIN CommanderT C ON M.ComID = C.ComID;'. The editor has a vertical scrollbar on the right side.

```
--להציג את כל החיילים והמשימות אליהם הם חשויים לפי מחלקה ומפקד--
CREATE OR REPLACE VIEW SoldierMissionView AS
SELECT
    S.SoldierID,
    S.Name AS SoldierName, S
    S.BornDate,
    S.Profile,
    S.Rank,
    D.Name AS DepartmentName,
    M.Name AS MissionName,
    M.Location,
    C.ComID,
    C.Rank AS CommanderRank
FROM
    Soldier S
JOIN
    Department D ON S.DepartmentID = D.DepartmentID
JOIN
    Mission M ON D.DepartmentID = M.DepartmentID
JOIN
    CommanderT C ON M.ComID = C.ComID;
```

תוצאה של מבט 1:

SOLDIERID	SOLDIERNAME	BORNDATE	PROFILE	RANK	DEPARTMENTNAME	MISSIONNAME	LOCATION	COMID	COMMANDERRANK
1	481 Soldier 481	07/12/1993	84	9	Tamandua, southern	mission11	ramalla	676175225	ravseren
2	482 Soldier 482	12/07/1980	97	9	Western spotted skunk	mission12	gaza	292483544	segen
3	483 Soldier 483	22/06/1987	97	9	Masked booby	mission13	jenin	376752575	ravseren
4	484 Soldier 484	17/12/1986	84	9	Scottish highland cow	mission14	halhul	383487578	ravseren
5	485 Soldier 485	26/01/1994	84	9	Gaur	mission15	ramalla	661373728	segen
6	486 Soldier 486	30/03/1981	97	9	Porcupine, indian	mission16	gaza	611570580	segen
7	487 Soldier 487	03/05/1981	97	9	Puna ibis	mission17	jenin	646340985	ravseren
8	488 Soldier 488	17/06/2000	84	9	Heron, green-backed	mission18	halhul	477760344	ravseren
9	489 Soldier 489	12/04/1987	84	9	Common seal	mission19	ramalla	933504468	ravseren
10	490 Soldier 490	25/05/1991	84	9	Australian spiny anteater	mission20	gaza	654567801	ravseren
11	384 Soldier 384	07/08/1987	72	2	Stork, black-necked	mission8	gaza	458692899	ravseren
12	385 Soldier 385	08/04/1995	72	2	Stork, black-necked	mission8	gaza	458692899	ravseren
13	386 Soldier 386	12/02/2002	97	4	Stork, black-necked	mission8	gaza	458692899	ravseren
14	387 Soldier 387	05/06/1995	72	1	Stork, black-necked	mission8	gaza	458692899	ravseren
15	388 Soldier 388	02/10/1996	72	2	Loris, slender	mission7	ramalla	784035019	ravseren

מבט 2:

```

-- מציג את כל הפרטים על החשימות והפרטים של התאגד עליהם--
CREATE OR REPLACE VIEW CommanderMissionView AS
SELECT
    M.MissionID,
    M.Name AS MissionName,
    M.Location,
    M.DepartmentID,
    C.ComID,
    C.Rank AS CommanderRank,
    C.NumOfUnitCom
FROM
    Mission M
JOIN
    CommanderT C ON M.ComID = C.ComID;

```

תוצאה של מבט 2:

	MISSIONID	MISSIONNAME	LOCATION	DEPARTMENTID	COMID	COMMANDERRANK	NUMOFUNITCOM
1	6	mission6	halhul	6	239021751	segen	93
2	3	mission3	ramalla	3	284456997	segen	58
3	12	mission12	gaza	32	292483544	segen	98
4	13	mission13	jenin	33	376752575	ravseren	90
5	4	mission4	gaza	4	382340873	ravseren	52
6	14	mission14	halhul	34	383487578	ravseren	68
7	5	mission5	jenin	5	456542193	ravseren	56
8	8	mission8	gaza	8	458692899	ravseren	79
9	18	mission18	halhul	38	477760344	ravseren	71
10	9	mission9	jenin	9	513254138	ravseren	92
11	2	mission2	halhul	2	597170275	ravseren	74
12	16	mission16	gaza	36	611570580	segen	76
13	17	mission17	jenin	37	646340985	ravseren	69
14	15	mission15	ramalla	35	661373728	segen	78
15	11	mission11	ramalla	31	676175225	ravseren	98
16	10	mission10	halhul	10	733741583	ravseren	100

שאלתה 1:

```
SQL      Output  Statistics
-- העגת חיילים ומשימותיהם --
SELECT
    SoldierID,
    SoldierName,
    MissionName,
    Location
FROM
    SoldierMissionView;
```

תוצאה 1:

	SOLDIERID	SOLDIERNAME	MISSIONNAME	LOCATION
1	481	Soldier 481	mission11	ramalla
2	482	Soldier 482	mission12	gaza
3	483	Soldier 483	mission13	jenin
4	484	Soldier 484	mission14	halhul
5	485	Soldier 485	mission15	ramalla
6	486	Soldier 486	mission16	gaza
7	487	Soldier 487	mission17	jenin
8	488	Soldier 488	mission18	halhul
9	489	Soldier 489	mission19	ramalla
10	490	Soldier 490	mission20	gaza

שאלתה 2:

```

SQL      Output  Statistics
-- הצגת חיילים לפי חיקום המחשימה-
SELECT
    SoldierID,
    SoldierName,
    MissionName,
    Location
FROM
    SoldierMissionView
WHERE
    Location = 'gaza';

```

תוצאה 2:

	SOLDIERID	SOLDIERNAME	MISSIONNAME	LOCATION
1	482	Soldier 482	mission12	gaza
2	486	Soldier 486	mission16	gaza
3	490	Soldier 490	mission20	gaza
4	384	Soldier 384	mission8	gaza
5	385	Soldier 385	mission8	gaza
6	386	Soldier 386	mission8	gaza
7	387	Soldier 387	mission8	gaza
8	415	Soldier 415	mission4	gaza
9	416	Soldier 416	mission4	gaza
10	417	Soldier 417	mission4	gaza
11	418	Soldier 418	mission4	gaza

שאלתה 3:

```

SQL      Output  Statistics
-- חציג משימות ומפקדי תאגד שלהם-
SELECT
    MissionID,
    MissionName,
    Location,
    CommanderRank
FROM
    CommanderMissionView;

```

תוצאה 3:

	MISSIONID	MISSIONNAME	LOCATION	COMMANDERRANK
1	6	mission6	halhul	segen
2	3	mission3	ramalla	segen
3	12	mission12	gaza	segen
4	13	mission13	jenin	ravseren
5	4	mission4	gaza	ravseren
6	14	mission14	halhul	ravseren
7	5	mission5	jenin	ravseren
8	8	mission8	gaza	ravseren
9	18	mission18	halhul	ravseren
10	9	mission9	jenin	ravseren
11	2	mission2	halhul	ravseren
12	16	mission16	gaza	segen
13	17	mission17	ienin	ravseren

שאלתה 4:

```
-- תאגיד מציג משימות לפי דרגת מפקד
SELECT
    MissionID,
    MissionName,
    Location,
    CommanderRank
FROM
    CommanderMissionView
WHERE
    CommanderRank = 'ravseren';
```


תוצאה 4:

	MISSIONID	MISSIONNAME	LOCATION	COMMANDERRANK
1	13	mission13	jenin	ravseren
2	4	mission4	gaza	ravseren
3	14	mission14	halhul	ravseren
4	5	mission5	jenin	ravseren
5	8	mission8	gaza	ravseren
6	18	mission18	halhul	ravseren
7	9	mission9	jenin	ravseren
8	2	mission2	halhul	ravseren
9	17	mission17	jenin	ravseren
10	11	mission11	ramalla	ravseren
11	10	mission10	halhul	ravseren
12	7	mission7	ramalla	ravseren
13	1	mission1	jenin	ravseren