User's Manual

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SQL Commands: Create and Insert Statements

```
CREATE TABLE Applicant (
        ApplicantID             INT PRIMARY KEY,
        AppFirstName            VARCHAR(20)             NOT NULL,
        AppLastName             VARCHAR(20)             NOT NULL,
        AppMiddleInitial        CHAR(1),
        AppStreetAddress        VARCHAR(30)             NOT NULL,
        AppCity                 VARCHAR(30)             NOT NULL,
        AppState                CHAR(2)                 NOT NULL,
        AppZipCode              CHAR(5)                 NOT NULL,
        PrimaryPhoneNum         CHAR(12)                NOT NULL,
        AltPhoneNum             CHAR(12),
        Email                   VARCHAR(30)             NOT NULL,
        PermStreetAddress       VARCHAR(30),
        PermCity                VARCHAR(30),
        PermState               CHAR(2),
        PermZipCode             CHAR(5),
        PermHomeNum             CHAR(12),
        PermCellPhoneNum        CHAR(12),
        PermEmail               VARCHAR(30),
        EmergFirstName          VARCHAR(20),
        EmergLastName           VARCHAR(20),
        EmergMiddleInitial      CHAR(1),
        EmergStreetAddress      VARCHAR(30),
        EmergCity               VARCHAR(30),
        EmergState              CHAR(2),
        EmergZipCode            CHAR(5),
        EmergHomePhoneNum       CHAR(12),
        EmergCellPhoneNum       CHAR(12),
        EmergEmail              VARCHAR(30),
        Date                    DATE                    NOT NULL        DEFAULT GETDATE(),
        Major                   VARCHAR(15)             NOT NULL,
        ExpGraduationDate       DATE                    NOT NULL,
        GPA                     DECIMAL(3,2)            NOT NULL        CHECK(GPA > 0),
        Semester                VARCHAR(6)              NOT NULL,
        DesiredHours            INT                     NOT NULL        CHECK(DesiredHours > 0),
        EarlyMorningAvail       VARCHAR(3)              NOT NULL,       CHECK(EarlyMorningAvail IN ('Yes', 'No')),
        NightAvail              VARCHAR(3)              NOT NULL,       CHECK(NightAvail IN ('Yes', 'No')),
        Essay1Completion        VARCHAR(3)              NOT NULL        CHECK(Essay1Completion IN ('Yes', 'No')),
        Essay2Completion        VARCHAR(3)              NOT NULL        CHECK(Essay2Completion IN ('Yes', 'No')),
        SummerAvail             VARCHAR(3)              NOT NULL        CHECK(SummerAvail IN ('Yes', 'No')),
        Schedule                VARCHAR(75)             NOT NULL,
        Comment                 VARCHAR(75),
        InterviewYN             VARCHAR(3)              NOT NULL        CHECK(InterviewYN IN ('Yes', 'No')),
        InterviewDate           DATE,
        ScreenedOutYN           VARCHAR(3)              NOT NULL        CHECK(ScreenedOutYN IN ('Yes', 'No')),
        HiredYN                 VARCHAR(3)              NOT NULL        CHECK(HiredYN IN ('Yes', 'No')),
        Program                 VARCHAR(20),
        ApplicantType           VARCHAR(8)              NOT NULL        CHECK(ApplicantType IN ('Employee', 'Alumni')),
);

CREATE TABLE Position (
```

```
	PositionID		INT PRIMARY KEY,
	Title			VARCHAR(30)		NOT NULL,
	ApplicantID		INT			NOT NULL,
	CONSTRAINT		PositionApplicantFK FOREIGN KEY (ApplicantID) REFERENCES Applicant (ApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE Alumni (
	AlumniApplicantID	INT PRIMARY KEY,
	ReasonForLeaving	VARCHAR(30),
	GraduationDate		DATE			NOT NULL,
	ExitInterviewComment	VARCHAR(30)
);

CREATE TABLE Certification (
	CertificationID		INT PRIMARY KEY,
	ExpirationDate		DATE,
	ApplicantID		INT			NOT NULL,
	CONSTRAINT		CertificationApplicantFK FOREIGN KEY (ApplicantID) REFERENCES Applicant (ApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE PreviousJob (
	JobID			INT PRIMARY KEY,
	PreviousPosition	VARCHAR(20)		NOT NULL,
	Company			VARCHAR(20)		NOT NULL,
	SupervisFirstName	VARCHAR(20)		NOT NULL,
	SupervisLastName	VARCHAR(20)		NOT NULL,
	PhoneNum		CHAR(12)		NOT NULL,
	PJStartDate		DATE			NOT NULL
	PJEndDate		DATE
	ApplicantID		INT			NOT NULL,
	CONSTRAINT		PreviousJobApplicantFK FOREIGN KEY (ApplicantID) REFERENCES Applicant (ApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE Employee (
	EmployeeApplicantID	INT PRIMARY KEY,
	StartPayRate		MONEY		NOT NULL	CHECK(StartPayRate > 0),
	ShirtSize		VARCHAR(5)	NOT NULL,
	JobRole			VARCHAR(75)	NOT NULL,
	AccessLevel		VARCHAR(20)	NOT NULL,
	Position		VARCHAR(20)	NOT NULL
);
CREATE TABLE PayRaise (
	PayRaiseID		INT PRIMARY KEY,
	PayRaiseAmount		MONEY		NOT NULL	CHECK(PayRaiseAmount > 0),
	PayRaiseDate		DATE		NOT NULL	CHECK(PayRaiseDate < GETDATE()-1),
	Evaluation		VARCHAR(30)	NOT NULL,
	EmployeeApplicantID	INT			NOT NULL,
	CONSTRAINT		PayRaiseEmployeeFK FOREIGN KEY (EmployeeApplicantID) REFERENCES Employee (EmployeeApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);
```

```
CREATE TABLE Program (
	ProgramID		INT PRIMARY KEY,
	ProgramName		VARCHAR(30)		NOT NULL,
	ProgramDescription	VARCHAR(75)		NOT NULL
);

CREATE TABLE JobRole (
	JobRoleID		INT PRIMARY KEY,
	JobRoleName		VARCHAR(75)		NOT NULL,
	EmployeeApplicantID	INT			NOT NULL,
	ProgramID		INT			NOT NULL,
	CONSTRAINT		JobRoleEmployeeFK FOREIGN KEY (EmployeeApplicantID) REFERENCES Employee (EmployeeApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION,
	CONSTRAINT		JobRoleProgramFK FOREIGN KEY (ProgramID) REFERENCES Program (ProgramID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE CampusInvolvement (
	ActivityID		INT PRIMARY KEY,
	ActivityName		VARCHAR(30)		NOT NULL,
	EmployeeApplicantID	INT			NOT NULL,
	CONSTRAINT		CampusInvolementEmployeeFK FOREIGN KEY (EmployeeApplicantID) REFERENCES Employee (EmployeeApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE PersonalTrainer (
	TrainerID		INT PRIMARY KEY,
	StandardRate		MONEY			NOT NULL	CHECK(StandardRate > 0),
	TotalHoursPerWeek	INT			NOT NULL	CHECK(TotalHoursPerWeek > 0),
	EmployeeApplicantID	INT,
	CONSTRAINT		PersonalTrainerEmployeeFK FOREIGN KEY (EmployeeApplicantID) REFERENCES Employee (EmployeeApplicantID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE ProgramParticipant (
	ParticipantID		INT PRIMARY KEY,
	ParticFirstName		VARCHAR(20)		NOT NULL,
	ParticLastName		VARCHAR(20)		NOT NULL,
	ParticStreet		VARCHAR(30)		NOT NULL,
	ParticCity		VARCHAR(30)		NOT NULL,
	ParticState		CHAR(2)			NOT NULL,
	ParticZipCode		CHAR(5)			NOT NULL,
	ParticPhoneNum		CHAR(12)		NOT NULL,
	Gender			VARCHAR(6)		NOT NULL	CHECK(Gender IN ('Male', 'Female')),
	BirthDate		DATE			NOT NULL,
	JoinDate		DATE			NOT NULL	DEFAULT GETDATE()
);

CREATE TABLE Appointment (
	TrainerID		INT,
	ParticipantID		INT,
	Payment			MONEY			NOT NULL	CHECK(Payment > 0),
	CONSTRAINT		AppointmentPK PRIMARY KEY (TrainerID, ParticipantID)
);
```

```
CREATE TABLE ProgramActivity (
	ProgramActivityID	INT PRIMARY KEY,
	PAStartDate		DATE			NOT NULL,
	PAEndDate		DATE,
	AdditionalCost		MONEY			CHECK(AdditionalCost > 0),
	ProgramID		INT,
	CONSTRAINT		ProgramActivityProgramFK FOREIGN KEY (ProgramID) REFERENCES Program (ProgramID)
	ON UPDATE CASCADE ON DELETE NO ACTION
);

CREATE TABLE AssignedEmployee (
	EmployeeApplicantID	INT,
	ProgramActivityID	INT,
	CONSTRAINT		AssignedEmployeePK PRIMARY KEY (EmployeeApplicantID, ProgramActivityID)
);

CREATE TABLE EmployeeProgram (
	EmployeeApplicantID	INT,
	ProgramID		INT,
	AverageHoursPerWeek	INT,
	HiringLeads		VARCHAR(30),
	Progression		VARCHAR(30),
	CONSTRAINT		EmployeeProgramPK PRIMARY KEY (EmployeeApplicantID, ProgramID)
);

CREATE TABLE ActivityParticipant (
	ParticipantID		INT,
	ProgramActivityID	INT,
	EnrollmentDate		DATE			NOT NULL,
	EnrollmentTime		TIME			NOT NULL,
	CONSTRAINT		ActivityParticipantPK PRIMARY KEY (ParticipantID, ProgramActivityID)
);
```

```
INSERT INTO Applicant VALUES (100001, ‘Jackson’, ‘Richards’, ‘S’, ‘263 Parker Ave.’, ’Twin Falls’, ‘ID’, ‘83301’, ‘495-686-2938’, NULL, ‘jrichards@gmail.com’, NULL, NULL, NULL, NULL, NULL, ‘495-686-2938’, ‘jrichards@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘03/04/2023’, ‘Finance’, ‘05/17/2023’, 3.65, ‘Summer’, 40, ‘Yes’, ‘No’, ‘Yes’, ‘No’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘03/23/2023’, ‘Yes’, ‘Yes’, ‘Basketball’, ‘Employee’);
INSERT INTO Applicant VALUES (100002, ‘Paul’, ‘Smith’, ‘H’, ‘13 Brown St.’, ‘New City’, ‘NY’ , ’10956’, ‘104-820-1183’, NULL, ‘psmith@gmail.com’, NULL, NULL, NULL, NULL, NULL, ‘104-820-1183’, ‘psmith@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘01/22/2023’, ‘Finance’, ‘05/17/2023’, 3.23, ‘Summer’, 40, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘02/01/2023’, ‘Yes’, ‘No’, NULL, ‘Alumni’);
INSERT INTO Applicant VALUES (100003, ‘Leah’, ‘Jones’, NULL, ‘319 Lafayette Drive’, ‘Riverdale’, ‘GA’, ‘30274’, ‘294-594-5922’, NULL, ‘ljones@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, ‘ljones@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘03/01/2023’, ‘Psychology’, ‘05/17/2023’, 3.44, ‘Fall’, 35, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘No’, ‘November 15th - November 30th’, NULL, ‘Yes’, ‘03/18/2023’, ‘No’, ‘No’, NULL, ‘Alumni’);
INSERT INTO Applicant VALUES (100004, ‘Hannah’, ‘Sanders’, ‘D’, ‘8753 Studebaker Dr.’, ‘Greensboro’, ‘NC’, ‘27405’, ‘220-459-7934’, NULL, ‘hsanders@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘03/03/2023’, ‘Biology’, ‘05/17/2023’, 3.81, ‘Winter’, 40, ‘No’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘03/21/2023’, ‘No’, ‘No’, NULL, ‘Alumni’);
INSERT INTO Applicant VALUES (100005, ‘Frank’, ‘Johnson’, ‘C’, ‘925 Manhattan Road’, ‘Key West’, ‘FL’, ‘33040’, ‘943-986-5427’, NULL, ‘fjohnson@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL,
```

‘02/12/2023’, ‘Communications’, ‘05/17/2023’, 3.59, ‘Summer’, 30, ‘No’, ‘Yes’, ‘Yes’, ‘No’, ‘Yes’, ‘August 1st - August 7th’, NULL, ‘No’, NULL, ‘Yes’, ‘Yes’, ‘Yoga’, ‘Employee’);
INSERT INTO Applicant VALUES (100006, ‘Anthony’, ‘Adams’, ‘A’, ‘34 Gainsway St.’, ‘Merrick’, ‘NY’, ‘11566’, ‘359-982-2483’, NULL, ‘aadams@gmail.com’, NULL, NULL, NULL, NULL, NULL, ‘359-982-2483’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘02/21/2023’, ‘Accounting’, ‘05/17/2023’, 3.99, ‘Summer’, 40, ‘Yes’, ‘Yes’, ‘No’, ‘No’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘03/12/2023’, ‘Yes’, ‘Yes’, ‘Volleyball’, ‘Employee’);
INSERT INTO Applicant VALUES (100007, ‘Jessica’, ‘Norris’, ‘R’, ‘611 Elizabeth Ave.’, ‘Roy’, ‘UT’, ‘84067’, ‘491-306-4290’, NULL, ‘jnorris@gmail.com’, NULL, NULL, NULL, NULL, NULL, ‘491-306-4290’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘01/28/2023’, ‘Chemistry’, ‘05/17/2023’, 3.85, ‘Summer’, 40, ‘No’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘02/04/2023’, ‘Yes’, ‘Yes’, ‘Swimming’, ‘Alumni’);
INSERT INTO Applicant VALUES (100008, ‘Abby’, ‘Reed’, ‘T’, ‘710 Ridge Drive’, ‘Lacey’, ‘WA’, ‘98503’, ‘540-286-0296’, ‘540-145-1211’, ‘areed@gmail.com’, NULL, NULL, NULL, NULL, ‘240-138-2222’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘12/29/2022’, ‘Marketing’, ‘05/17/2023’, 3.16, ‘Spring’, 37, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘No’, ‘N/A’, NULL, ‘Yes’, ‘01/10/2023’, ‘No’, ‘No’, NULL, ‘Alumni’);
INSERT INTO Applicant VALUES (100009, ‘Dennis’, ‘Brown’, ‘N’, ‘365 San Carlos Ave.’, ‘Vienna’, ‘VA’, 22180’, ‘653-238-0937’, NULL, ‘dbrown@gmail.com’, ‘9 Strawberry Court’, ‘Yorktown’, ‘VA’, ‘23693’, NULL, ‘653-238-0937’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘03/19/2023’, ‘Accounting’, ‘05/17/2023’, 3.64, ‘Fall’, 32, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘No’, NULL, ‘Yes’, ‘Yes’, ‘Weightlifting’, ‘Alumni’);
INSERT INTO Applicant VALUES (100010, ‘Allen’, ‘Jenkins’, NULL, ‘749 Swanson Rd.’, ‘North Bergen’, ‘NJ’, ‘07047’, ‘239-584-8420’, NULL, ‘ajenkins@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘12/30/2023’, ‘Astronomy’, ‘05/17/2024’, 3.22, ‘Summer’, 35, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘01/09/2023’, ‘Yes’, ‘No’, NULL, ‘Employee’);
INSERT INTO Applicant VALUES (100011, ‘Stephen’, ‘Davis’, ‘G’, ‘659 Temple Street’, ‘Nanuet’, ‘NY’, 10954’, ‘245-219-6935’, NULL, ‘sdavis@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘01/09/2023’, ‘Management’, ‘05/17/2024’, 3.74, ‘Winter’, 40, ‘Yes’, ‘No’, ‘Yes’, ‘No’, ‘No’, ‘N/A’, NULL, ‘No’, NULL, ‘Yes’, ‘Yes’, ‘Football’, ‘Alumni’);
INSERT INTO Applicant VALUES (100012, ‘Will’, ‘Simpson’, ‘M’, ‘470 Cedar Road’, ‘Beltsville’, ‘MD’, ‘20705’, ‘520-913-9943’, NULL, ‘wsimpson@gmail.com’, ‘712 Overlook Drive’, ‘Pasadena’, ‘MD’, ‘21122’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘03/06/2023’, ‘Mathematics’, ‘05/17/2024’, 3.45, ‘Spring’, 38, ‘Yes’, ‘No’, ‘Yes’, ‘Yes’, ‘Yes’, ‘April 3rd - April 10th’, NULL, ‘Yes’, ‘03/23/2023’, ‘Yes’, ‘Yes’, ‘Soccer’, ‘Employee’);
INSERT INTO Applicant VALUES (100013, ‘Joe’, ‘Miller’, NULL, ‘19 3rd Drive’, ‘Venice’, ‘FL’, ‘34293’, ‘440-239-1945’, ‘440-222-7591’, ‘jmiller@gmail.com’, NULL, NULL, NULL, NULL, ‘443-245-9090’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘01/13/2023’, ‘Supply Chain’, ‘05/17/2024’, 3.41, ‘Summer’, 40, ‘No’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘01/29/2023’, ‘No’, ‘No’, NULL, ‘Alumni’);
INSERT INTO Applicant VALUES (100014, ‘Olivia’, ‘Carter’, ‘L’, ‘417 Dunbar St.’, ‘Parkville’, ‘MD’, ‘21234’, ‘345-020-3966’, NULL, ‘ocarter@gmail.com’, NULL, NULL, NULL, NULL, NULL, ‘345-020-3966’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘02/27/2023’, ‘Marketing’, ‘05/17/2024’, 3.96, ‘Fall’, 40, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘No’, ‘N/A’, NULL, ‘Yes’, ‘03/11/2023’, ‘Yes’, ‘Yes’, ‘CrossFit’, ‘Employee’);
INSERT INTO Applicant VALUES (100015, ‘Madison’, ‘Roberts’, ‘K’, ‘24 Miller Drive’, ‘Coatesville’, ‘PA’, ‘19320’, ‘837-195-5529’, NULL, ‘mcarter@gmail.com’, NULL, NULL, NULL, NULL, NULL, ‘837-195-5529’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘12/16/2022’, ‘Economics’, ‘05/17/2024’, 3.76, ‘Summer’, 40, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘01/03/2023’, ‘Yes’, ‘Yes’, ‘Basketball’, ‘Alumni’);
INSERT INTO Applicant VALUES (100016, ‘Elizabeth’, ‘Harris’, ‘J’, ‘967 Wood St.’, ‘Suwanee’, ‘GA’, ‘30024’, ‘342-324-1494’, NULL, ‘eharris@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘12/20/2022’, ‘Geology’, ‘05/17/2024’, 3.72, ‘Summer’, 35, ‘No’, ‘Yes’, ‘Yes’, ‘No’, ‘Yes’, ‘N/A’, NULL, ‘No’, NULL, ‘Yes’, ‘Yes’, ‘Softball’, ‘Employee’);
INSERT INTO Applicant VALUES (100017, ‘Greg’, ‘Rose’, ‘B’, ‘92 Galvin Dr.’, ‘Wilson’, ‘NC’, ‘27893’, ‘449-229-5955’, ‘449-132-9923’, ‘grose@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘01/02/2023’, ‘Nursing’, ‘05/17/2024’, 3.84, ‘Summer’, 30, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘01/15/2023’, ‘Yes’, ‘Yes’, ‘Baseball’, ‘Alumni’);
INSERT INTO Applicant VALUES (100018, ‘Brad’, ‘Lewis’, NULL, ‘390 Glen Ridge St.’, ‘Irwin’, ‘PA’, ‘15642’, ‘555-139-4596’, NULL, ‘blewis@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘Molly’, ‘Lewis’, ‘N’, ‘7303 Chapel St.’, ‘Trumbull’, ‘CT’, ‘06611’, ‘666-242-2456’, ‘111-222-4545’, ‘mlewis@gmail.com’, ‘02/09/2023’, ‘Sociology’, ‘05/17/2024’, 3.35, ‘Summer’, 34, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘02/20/2023’, ‘Yes’, ‘Yes’, ‘Weightlifting’, ‘Employee’);
INSERT INTO Applicant VALUES (100019, ‘David’, ‘Garcia’, ‘F’, ‘119 Greystone Dr.’, ‘Shirley’, ‘NY’, ‘11967’, ‘990-242-3344’, NULL, ‘dgarcia@gmail.com’, NULL, NULL, NULL, NULL, NULL, NULL, NULL, ‘Jeff’, ‘Garcia’, ‘H’, ‘46 Euclid Drive’, ‘Shirley’, ‘NY’, ‘11967’, ‘888-222-1334’, ‘999-345-0003’, ‘jgarcia@gmail.com’, ‘03/24/2023’, ‘Philosophy’, ‘05/17/2024’, 3.39, ‘Winter’, 40, ‘No’, ‘Yes’, ‘Yes’, ‘Yes’, ‘No’, ‘N/A’, NULL, ‘Yes’, ‘03/29/2023’, ‘Yes’, ‘Yes’, ‘Volleyball’, ‘Employee’);
INSERT INTO Applicant VALUES (100020, ‘Patrick’, ‘Hill’, ‘W’, ‘882 E. Eagle St.’, ‘Ridgecrest’, ‘CA’, ‘93555’, ‘249-664-2592’, NULL, ‘phill@gmail.com’, NULL, NULL, NULL, NULL, ‘787-999-6789’, NULL, NULL, ‘Jonah’, ‘Hill’, ‘S’, ‘8263 Grant Court’, ‘Santa Clara’, ‘CA’, ‘95050’, ‘212-212-2122’, ‘900-343-5915’, ‘jhill@gmail.com’, ‘02/15/2023’, ‘Finance’, ‘05/17/2024’, 3.52, ‘Summer’, 40, ‘Yes’, ‘No’, ‘Yes’, ‘Yes’, ‘Yes’, ‘N/A’, NULL, ‘Yes’, ‘02/25/2023’, ‘Yes’, ‘Yes’, ‘Swimming’, ‘Employee’);

INSERT INTO Position VALUES (200001, ‘Manager’, 100001);

```
INSERT INTO Position VALUES (200002, ‘Assistant Manager’, 100005);
INSERT INTO Position VALUES (200003, ‘Referee’, 100006);
INSERT INTO Position VALUES (200004, ‘Trainer’, 100007);
INSERT INTO Position VALUES (200005, ‘Coach’, 100009);
INSERT INTO Position VALUES (200006, ‘Instructor’, 100011);
INSERT INTO Position VALUES (200007, ‘Scorekeeper’, 100012);
INSERT INTO Position VALUES (200008, ‘Supervisor’, 100014);
INSERT INTO Position VALUES (200009, ‘Consultant’, 100015);
INSERT INTO Position VALUES (200010, ‘Director’, 100016);
INSERT INTO Position VALUES (200011, ‘Physical Therapist’, 100017);
INSERT INTO Position VALUES (200012, ‘Assistant Supervisor’, 100018);
INSERT INTO Position VALUES (200013, ‘Assistant Director’, 100019);
INSERT INTO Position VALUES (200014, ‘Lifeguard’, 100020);


INSERT INTO Alumni VALUES (300001, NULL, ‘05/17/2022’, NULL);
INSERT INTO Alumni VALUES (300002, NULL, ‘05/17/2022’, NULL);
INSERT INTO Alumni VALUES (300003, ‘Better options for me’, ‘05/17/2021’, ‘I will miss the program’);
INSERT INTO Alumni VALUES (300004, NULL, ‘05/17/2022’, NULL);
INSERT INTO Alumni VALUES (300005, NULL, ‘05/17/2021’, NULL);
INSERT INTO Alumni VALUES (300006, NULL, ‘05/17/2021’, NULL);
INSERT INTO Alumni VALUES (300007, NULL, ‘05/17/2022’, NULL);
INSERT INTO Alumni VALUES (300008, NULL, ‘05/17/2021’, NULL);
INSERT INTO Alumni VALUES (300009, ‘Found a new job elsewhere’, ‘05/17/2022’, NULL);
INSERT INTO Alumni VALUES (300010, NULL, ‘05/17/2022’, NULL);


INSERT INTO Certification VALUES (400001, NULL, 100007);
INSERT INTO Certification VALUES (400002, NULL, 100009);
INSERT INTO Certification VALUES (400003, ‘08/26/2030’, 100011);
INSERT INTO Certification VALUES (400004, NULL, 100012);
INSERT INTO Certification VALUES (400005, ‘11/08/2030’, 100014);
INSERT INTO Certification VALUES (400006, NULL, 100015);
INSERT INTO Certification VALUES (400007, NULL, 100016);
INSERT INTO Certification VALUES (400008, NULL, 100018);
INSERT INTO Certification VALUES (400009, NULL, 100019);
INSERT INTO Certification VALUES (400010, ‘12/31/2030’, 100020);


INSERT INTO PreviousJob VALUES (500001, ‘Director’, ‘Nike’, ‘Jim’, ‘Jones’, ‘999-999-9999’, ‘09/08/2018’, ‘09/03/2021’, 100001);
INSERT INTO PreviousJob VALUES (500002, ‘Manager’, ‘Adidas’, ‘Jenna’, ‘Smith’, ‘888-888-8888’, ‘05/12/2019’, ‘09/11/2022’, 100002);
INSERT INTO PreviousJob VALUES (500003, ‘Assistant Manager’, ‘Chipotle’, ‘David’, ‘Johnson’, ‘777-777-7777’, ‘04/18/2017’, ‘12/29/2020’, 100003);
INSERT INTO PreviousJob VALUES (500004, ‘Lifeguard’, ‘YMCA’, ‘Wayne’, ‘Stevens’, ‘666-666-6666’, ‘03/01/2016’, ‘07/15/2022’, 100004);
INSERT INTO PreviousJob VALUES (500005, ‘Referee’, ‘YMCA’, ‘Eric’, ‘Kendricks’, ‘777-367-0099’, ‘11/12/2020’, ‘02/05/2022’, 100005);
INSERT INTO PreviousJob VALUES (500006, ‘Advisor’, ‘Under Armour’, ‘Landon’, ‘Sanders’, ‘123-123-0987’, ‘06/18/2019’, ‘05/13/2021’, 100006);
INSERT INTO PreviousJob VALUES (500007, ‘Coach’, ‘YMCA’, ‘Adam’, ‘Wade’, ‘440-004-0660’, ‘01/06/2020’, ‘10/07/2022’, 100007);
INSERT INTO PreviousJob VALUES (500008, ‘Trainer’, ‘YMCA’, ‘Hunter’, ‘White’, ‘505-555-9999’, ‘04/04/2018’, ‘05/25/2021’, 100008);
INSERT INTO PreviousJob VALUES (500009, ‘Instructor’, ‘YMCA’, ‘Rachel’, ‘Lee’, ‘555-555-5555’, ‘10/29/2020’, ‘12/12/2022’, 100009);
INSERT INTO PreviousJob VALUES (500010, ‘Assistant Coach’, ‘YMCA’, ‘Karen’, ‘Manson’, ‘444-444-4444’, ‘07/21/2019’, ‘09/27/2022’, 1000010);


INSERT INTO Employee VALUES (111111, 32.75, ‘XL’, ‘Advising basketball employees’, ‘Limited’, ‘Advisor’);
INSERT INTO Employee VALUES (111112, 27.50, ‘L’,’Advising yoga employees’, ‘Limited’, ‘Advisor’);
INSERT INTO Employee VALUES (111113, 30.00, ‘L’, ‘Coaching the volleyball team’, ‘None’, ‘Coach’);
```

```
INSERT INTO Employee VALUES (111114, 25.75, 'XXL', 'Helping monitor the swimming program', 'Full', 'Assistant Director');
INSERT INTO Employee VALUES (111115, 30.00, 'L', 'Managing the gym daily', 'Full', 'Manager');
INSERT INTO Employee VALUES (111116, 32.00, 'XL', 'Enforcing rules at football games', 'None', 'Referee');
INSERT INTO Employee VALUES (111117, 34.50, 'XL', 'Helping manage the soccer program', 'Full', 'Assistant Manager');
INSERT INTO Employee VALUES (111118, 35.25, 'XXL', 'Training crossfit program', 'Limited', 'Trainer');
INSERT INTO Employee VALUES (111119, 28.00, 'L', 'Coaching the baseball team', 'None', 'Coach');
INSERT INTO Employee VALUES (111120, 30.00, 'L', 'Teaching people how to play softball', 'Limited', 'Instructor');


INSERT INTO PayRaise VALUES (222221, 75.00, '03/20/2023', 'Outstanding performance', 111111);
INSERT INTO PayRaise VALUES (222222, 80.00, '03/21/2023', 'Outstanding performance', 111112);
INSERT INTO PayRaise VALUES (222223, 50.75, '03/22/2023', 'Outstanding performance', 111113);
INSERT INTO PayRaise VALUES (222224, 60.50, '03/23/2023', 'Outstanding performance', 111114);
INSERT INTO PayRaise VALUES (222225, 25.25, '03/24/2023', 'Outstanding performance', 111115);
INSERT INTO PayRaise VALUES (222226, 30.50, '03/25/2023', 'Outstanding performance', 111116);
INSERT INTO PayRaise VALUES (222227, 50.50, '03/26/2023', 'Outstanding performance', 111117);
INSERT INTO PayRaise VALUES (222228, 60.00, '03/27/2023', 'Outstanding performance', 111118);
INSERT INTO PayRaise VALUES (222229, 70.00, '03/28/2023', 'Outstanding performance', 111119);
INSERT INTO PayRaise VALUES (222230, 55.00, '03/29/2023', 'Outstanding performance', 111120);


INSERT INTO Program VALUES (333331, 'Basketball', 'Teams score points by throwing ball in a hoop');
INSERT INTO Program VALUES (333332, 'Yoga', 'Physical, mental, and spiritual practices');
INSERT INTO Program VALUES (333333, 'Volleyball', 'Teams score points by hitting ball to ground on other side of net');
INSERT INTO Program VALUES (333334, 'Swimming', 'Using entire body to push across water');
INSERT INTO Program VALUES (333335, 'Weightlifting', 'The sport of lifting barbells or other heavy weights');
INSERT INTO Program VALUES (333336, 'Football', 'Sport where 2 teams try to advance ball into other end zone');
INSERT INTO Program VALUES (333337, 'Soccer', 'Teams have to score goals by kicking ball into goal');
INSERT INTO Program VALUES (333338, 'Crossfit', 'A high-intensity fitness program');
INSERT INTO Program VALUES (333339, 'Baseball', 'Male sport and teams hit ball with bat and score by running around bases');
INSERT INTO Program VALUES (333340, 'Softball', 'Female sport and teams hit ball with bat and score by running around bases');


INSERT INTO JobRole VALUES (444441, 'Advising basketball employees', 111111, 333331);
INSERT INTO JobRole VALUES (444442, 'Advising yoga employees', 111112, 333332);
INSERT INTO JobRole VALUES (444443, 'Coaching the volleyball team', 111113, 333333);
INSERT INTO JobRole VALUES (444444, 'Helping monitor the swimming program', 111114, 333334);
INSERT INTO JobRole VALUES (444445, 'Managing the gym daily', 111115, 333335);
INSERT INTO JobRole VALUES (444446, 'Enforcing rules at football games', 111116, 333336);
INSERT INTO JobRole VALUES (444447, 'Helping manage the soccer program', 111117, 333337);
INSERT INTO JobRole VALUES (444448, 'Training crossfit program', 111118, 333338);
INSERT INTO JobRole VALUES (444449, 'Coaching the baseball team', 111119, 333339);
INSERT INTO JobRole VALUES (444450, 'Teaching people how to play softball', 111120, 333340);


INSERT INTO CampusInvolvement VALUES (555551, 'Reading Club', 111111);
INSERT INTO CampusInvolvement VALUES (555552, 'Christian Club', 111112);
INSERT INTO CampusInvolvement VALUES (555553, 'Christian Club', 111113);
INSERT INTO CampusInvolvement VALUES (555554, 'Marketing Club', 111114);
INSERT INTO CampusInvolvement VALUES (555555, 'Finance Club', 111115);
INSERT INTO CampusInvolvement VALUES (555556, 'Accounting Club', 111116);
INSERT INTO CampusInvolvement VALUES (555557, 'Fitness Club', 111117);
INSERT INTO CampusInvolvement VALUES (555558, 'Art Club', 111118);
INSERT INTO CampusInvolvement VALUES (555559, 'Cooking Club', 111119);
```

INSERT INTO CampusInvolvement VALUES (555560, ‘Marketing Club’, 111120);

INSERT INTO PersonalTrainer VALUES (666661, 25.00, 32, 111111);
INSERT INTO PersonalTrainer VALUES (666662, 25.00, 34, 111112);
INSERT INTO PersonalTrainer VALUES (666663, 28.00, 40, 111113);
INSERT INTO PersonalTrainer VALUES (666664, 30.00, 31, 111114);
INSERT INTO PersonalTrainer VALUES (666665, 32.50, 36, 111115);
INSERT INTO PersonalTrainer VALUES (666666, 25.50, 35, 111116);
INSERT INTO PersonalTrainer VALUES (666667, 27.75, 40, 111117);
INSERT INTO PersonalTrainer VALUES (666668, 30.75, 37, 111118);
INSERT INTO PersonalTrainer VALUES (666669, 27.50, 35, 111119);
INSERT INTO PersonalTrainer VALUES (666670, 25.00, 35, 111120);

INSERT INTO ProgramParticipant VALUES (600001, ‘JJ’, ‘Warren’, ‘19 E. Kent St.’, ‘Huntley’, ‘IL’, ‘60142’, ‘179-366-1725’, ‘Male’, ‘08/14/2002’, ‘03/13/2023’);
INSERT INTO ProgramParticipant VALUES (600002, ‘AJ’, ‘Irving’, ‘891 Augusta Court’, ‘Sugar Land’, ‘TX’, ‘77478’, ‘718-233-8480’, ‘Male’, ‘09/16/2003’, ‘02/28/2023’);
INSERT INTO ProgramParticipant VALUES (600003, ‘Tim’, ‘Harrison’, ‘59 Ramblewood St.’, ‘Revere’, ‘MA’, ‘02151’, ‘137-273-7572’, ‘Male’, ‘12/27/2002’, ‘03/03/2023’);
INSERT INTO ProgramParticipant VALUES (600004, ‘Layla’, ‘Henderson’, ‘5 Bowman Rd.’, ‘San Angelo’, ‘TX’, ‘76901’, ‘395-242-2258’, ‘Female’, ‘03/09/2002’, ‘03/09/2023’);
INSERT INTO ProgramParticipant VALUES (600005, ‘Patricia’, ‘Johnson’, ‘8115 Buttonwood Drive’, ‘Englishtown’, ‘NJ’, ‘07726’, ‘186-111-1345’, ‘Female’, ‘07/21/2003’, ‘03/05/2023’);
INSERT INTO ProgramParticipant VALUES (600006, ‘Michael’, ‘Tatum’, ‘72 Green Drive’, ‘Glendale’, ‘AZ’, ‘85302’, ‘822-146-2429’, ‘Male’, ‘11/26/2003’, ‘02/21/2023’);
INSERT INTO ProgramParticipant VALUES (600007, ‘Claire’, ‘James’, ‘7597 Bradford Ave.’, ‘Waukegan’, ‘IL’, ‘60085’, ‘561-846-4676’, ‘Female’, ‘04/01/2001’, ‘03/26/2023’);
INSERT INTO ProgramParticipant VALUES (600008, ‘Brian’, ‘Smith’, ‘46 Cemetery Street’, ‘Freeport’, ‘NY’, ‘11520’, ‘925-536-6787’, ‘Male’, ‘06/19/2002’, ‘02/25/2023’);
INSERT INTO ProgramParticipant VALUES (600009, ‘Matthew’, ‘Jordan’, ‘12 William Street’, ‘Lake Charles’, ‘LA’, ‘70605’, ‘255-555-2513’, ‘Male’, ‘05/13/2002’, ‘03/07/2023’);
INSERT INTO ProgramParticipant VALUES (600010, ‘Andrew’, ‘Ryan’, ‘8116 Pheasant St.’, ‘Edison’, ‘NJ’, ‘08817’, ‘914-003-4250’, ‘Male’, ‘06/12/2002’, ‘03/20/2023’);

INSERT INTO Appointment VALUES (666661, 600001, 30.00);
INSERT INTO Appointment VALUES (666662, 600002, 40.00);
INSERT INTO Appointment VALUES (666663, 600003, 50.00);
INSERT INTO Appointment VALUES (666664, 600004, 30.00);
INSERT INTO Appointment VALUES (666665, 600005, 35.00);
INSERT INTO Appointment VALUES (666666, 600006, 45.00);
INSERT INTO Appointment VALUES (666667, 600007, 25.00);
INSERT INTO Appointment VALUES (666668, 600008, 50.00);
INSERT INTO Appointment VALUES (666669, 600009, 45.00);
INSERT INTO Appointment VALUES (666670, 600010, 50.00);

INSERT INTO ProgramActivity VALUES (777771, ‘10/01/2022’, ‘1/20/2023’, 5.00, 333331);
INSERT INTO ProgramActivity VALUES (777772, ‘04/01/2023’, NULL, NULL, 333332);
INSERT INTO ProgramActivity VALUES (777773, ‘03/25/2023’, NULL, 5.00, 333333);
INSERT INTO ProgramActivity VALUES (777774, ‘12/10/2022’, ‘03/01/2023’, 5.00, 333334);
INSERT INTO ProgramActivity VALUES (777775, ‘01/05/2023’, NULL, NULL, 333335);
INSERT INTO ProgramActivity VALUES (777776, ‘08/28/2022’, ‘02/01/2023’, 10.00, 333336);

```
INSERT INTO ProgramActivity VALUES (777777, '09/01/2022', '12/01/2022', NULL, 333337);
INSERT INTO ProgramActivity VALUES (777778, '01/05/2023', NULL, NULL, 333338);
INSERT INTO ProgramActivity VALUES (777779, '04/01/2023', NULL, 5.00, 333339);
INSERT INTO ProgramActivity VALUES (777780, '04/01/2023', NULL, 5.00, 333340);


INSERT INTO AssignedEmployee VALUES (111111, 777771);
INSERT INTO AssignedEmployee VALUES (111112, 777772);
INSERT INTO AssignedEmployee VALUES (111113, 777773);
INSERT INTO AssignedEmployee VALUES (111114, 777774);
INSERT INTO AssignedEmployee VALUES (111115, 777775);
INSERT INTO AssignedEmployee VALUES (111116, 777776);
INSERT INTO AssignedEmployee VALUES (111117, 777777);
INSERT INTO AssignedEmployee VALUES (111118, 777778);
INSERT INTO AssignedEmployee VALUES (111119, 777779);
INSERT INTO AssignedEmployee VALUES (111120, 777780);


INSERT INTO EmployeeProgram VALUES (111111, 333331, 35, NULL, 'Good progress');
INSERT INTO EmployeeProgram VALUES (111112, 333332, 30, NULL, NULL);
INSERT INTO EmployeeProgram VALUES (111113, 333333, 30, NULL, NULL);
INSERT INTO EmployeeProgram VALUES (111114, 333334, 35, NULL, 'Great progress');
INSERT INTO EmployeeProgram VALUES (111115, 333335, 34, NULL, 'Good progress');
INSERT INTO EmployeeProgram VALUES (111116, 333336, 33, NULL, 'Good progress');
INSERT INTO EmployeeProgram VALUES (111117, 333337, 40, NULL, NULL);
INSERT INTO EmployeeProgram VALUES (111118, 333338, 40, NULL, NULL);
INSERT INTO EmployeeProgram VALUES (111119, 333339, 40, NULL, NULL);
INSERT INTO EmployeeProgram VALUES (111120, 333340, 37, NULL, NULL);


INSERT INTO ActivityParticipant VALUES (600001, 777771, '08/12/2022', '08:30:03:00');
INSERT INTO ActivityParticipant VALUES (600002, 777772, '08/15/2022', '11:11:23:00');
INSERT INTO ActivityParticipant VALUES (600003, 777773, '08/02/2022', '14:53:12:00');
INSERT INTO ActivityParticipant VALUES (600004, 777774, '07/17/2022', '20:02:33:00');
INSERT INTO ActivityParticipant VALUES (600005, 777775, '06/23/2022', '09:07:11:00');
INSERT INTO ActivityParticipant VALUES (600006, 777776, '08/01/2022', '12:12:12:00');
INSERT INTO ActivityParticipant VALUES (600007, 777777, '07/14/2022', '13:55:52:00');
INSERT INTO ActivityParticipant VALUES (600008, 777778, '07/22/2022', '21:25:55:00');
INSERT INTO ActivityParticipant VALUES (600009, 777779, '06/18/2022', '17:21:32:00');
INSERT INTO ActivityParticipant VALUES (600010, 777780, '07/27/2022', '16:42:17:00');
```

SQL Commands: Queries and Reports

```
/* 1. Summary information about applicants, including how many were not hired, how many are current
employees, and how many are now alumni. They do not want to count an applicant more than once.
*/

Select 'NotHired' As ApplicantType, Count(HiredYN) As Total
From Applicant
Where HiredYN = 'No'
Union
Select ApplicantType, Count(ApplicantType) As Total
From Applicant
Where ApplicantType = 'Employee'
Group By ApplicantType
Union
Select ApplicantType, Count(ApplicantType) As Total
From Applicant
Where ApplicantType = 'Alumni'
Group By ApplicantType;

/*
2. Relevant information about an applicant for interview purposes (i.e., any information that would help make a hiring decision).
There is no need to include contact information other than the applicant's name and email.
*/

Select ApplicantID, AppFirstName, AppLastName, Email, Major, GPA, DesiredHours, Schedule, ScreenedOutYN
From Applicant;

/*
4. Pay information for each employee, including standard rate for the job role, starting pay rate, current pay
rate, date of last pay raise, and number of raises the employee has had while in that job role.
*/

Select Employee.EmployeeApplicantID, (Employee.StartPayRate)+(PayRaise.PayRaiseAmount)/2 As StandardPayRate,Employee.StartPayRate,
(Employee.StartPayRate)+(PayRaise.PayRaiseAmount) as CurrentPay, PayRaise.PayRaiseDate, 1 as NumPayRaises
From Employee Inner Join PayRaise
On Employee.EmployeeApplicantID = PayRaise.EmployeeApplicantID;

/*
6. A list of employees by program, job role, and the average hours worked per week in that job role and
program.
*/

Select Employee.EmployeeApplicantID, EmployeeProgram.ProgramID, JobRole, AverageHoursPerWeek
From Employee Inner Join EmployeeProgram
On Employee.EmployeeApplicantID = EmployeeProgram.EmployeeApplicantID
Group BY Employee.EmployeeApplicantID, EmployeeProgram.ProgramID, JobRole, AverageHoursPerWeek;

/*
7. The number of participants enrolled in each activity by month, year, and by employee assigned
to the activity and program managing the activity.
*/
```

```
Select Count(ParticipantID) As TotalParticipants, Month(EnrollmentDate) As EnrollmentMonth, Year(EnrollmentDate) As EnrollmentYear,
ProgramActivity.ProgramActivityID, AssignedEmployee.EmployeeApplicantID
From EmployeeProgram Inner Join ProgramActivity
On EmployeeProgram.ProgramID = ProgramActivity.ProgramID
Inner Join ActivityParticipant
On ActivityParticipant.ProgramActivityID = ProgramActivity.ProgramActivityID
Inner Join AssignedEmployee
On AssignedEmployee.ProgramActivityID = ProgramActivity.ProgramActivityID
Group By ProgramActivity.ProgramActivityID, AssignedEmployee.EmployeeApplicantID, Month(EnrollmentDate), Year(EnrollmentDate);

-- 2 additional features

/*
A list of employees who aren't managers and have a starting pay rate higher than the average starting pay rate.
*/

Select EmployeeApplicantID, StartPayRate
From Employee
Where Position Not Like '%Manager%'
And StartPayRate > (Select Avg(StartPayRate)
                    From Employee);

/*
A list of applicants in alphabetical order who have a GPA above 3.6 and are available to work in the summer.
*/

Select ApplicantID, AppFirstName, AppLastName, GPA, SummerAvail
From Applicant
Where GPA > 3.6
And SummerAvail = 'Yes'
Order By AppLastName Asc;
```

Report Descriptions

1. Summary information about applicants, including how many were not hired, how many are current employees, and how many are now alumni. They do not want to count an applicant more than once.

	ApplicantType	Total
1	Alumni	10
2	Employee	10
3	NotHired	6

The purpose of the report is to show Hawkins U-Fit the total number of applicants who were alumni, the total number of applicants who were employees, and the total number of applicants who weren't hired.

2. Relevant information about an applicant for interview purposes (i.e., any information that would help make a hiring decision). There is no need to include contact information other than the applicant's name and email.

	ApplicantID	AppFirstName	AppLastName	Email	Major	GPA	DesiredHours	Schedule	ScreenedOutYN
1	100001	Jackson	Richards	jrichards@gmail.com	Finance	3.65	40	N/A	Yes
2	100002	Paul	Smith	psmith@gmail.com	Finance	3.23	40	N/A	Yes
3	100003	Leah	Jones	ljones@gmail.com	Psychology	3.44	35	November 15th - November 30th	No
4	100004	Hannah	Sanders	hsanders@gmail.com	Biology	3.81	40	N/A	No
5	100005	Frank	Johnson	fjohnson@gmail.com	Communications	3.59	30	August 1st - August 7th	Yes
6	100006	Anthony	Adams	aadams@gmail.com	Accounting	3.99	40	N/A	Yes
7	100007	Jessica	Norris	jnorris@gmail.com	Chemistry	3.85	40	N/A	Yes
8	100008	Abby	Reed	areed@gmail.com	Marketing	3.16	37	N/A	No
9	100009	Dennis	Brown	dbrown@gmail.com	Accounting	3.64	32	N/A	Yes
10	100010	Allen	Jenkins	ajenkins@gmail.com	Astronomy	3.22	35	N/A	Yes
11	100011	Stephen	Davis	sdavis@gmail.com	Management	3.74	40	N/A	Yes
12	100012	Will	Simpson	wsimpson@gmail.c...	Mathematics	3.45	38	April 3rd - April 10th	Yes
13	100013	Joe	Miller	jmiller@gmail.com	Supply Chain	3.41	40	N/A	No
14	100014	Olivia	Carter	ocarter@gmail.com	Marketing	3.96	40	N/A	Yes
15	100015	Madison	Roberts	mcarter@gmail.com	Economics	3.76	40	N/A	Yes
16	100016	Elizabeth	Harris	eharris@gmail.com	Geology	3.72	35	N/A	Yes
17	100017	Greg	Rose	grose@gmail.com	Nursing	3.84	30	N/A	Yes
18	100018	Brad	Lewis	blewis@gmail.com	Sociology	3.35	34	N/A	Yes
19	100019	David	Garcia	dgarcia@gmail.com	Philosophy	3.39	40	N/A	Yes
20	100020	Patrick	Hill	phill@gmail.com	Finance	3.52	40	N/A	Yes

The purpose of this report is to give the Hawkins U-Fit hiring department information on applicants for interview purposes. We decided that the applicant's ID, first name, last name, email, major, GPA, desired hours, schedule, and screened out information would be great information that Hawkins would need in deciding who to choose for an interview. We believe this information is necessary for interview purposes to effectively track contact information, academic information, and work-related information that we feel will determine the best candidates for the positions.

4. Pay information for each employee, including standard rate for the job role, starting pay rate, current pay rate, date of last pay raise, and number of raises the employee has had while in that job role.

	EmployeeApplicantID	StandardPayRate	StartPayRate	CurrentPay	PayRaiseDate	NumPayRaises
1	111111	70.25	32.75	107.75	2023-03-20	1
2	111112	67.50	27.50	107.50	2023-03-21	1
3	111113	55.375	30.00	80.75	2023-03-22	1
4	111114	56.00	25.75	86.25	2023-03-23	1
5	111115	42.625	30.00	55.25	2023-03-24	1
6	111116	47.25	32.00	62.50	2023-03-25	1
7	111117	59.75	34.50	85.00	2023-03-26	1
8	111118	65.25	35.25	95.25	2023-03-27	1
9	111119	63.00	28.00	98.00	2023-03-28	1
10	111120	57.50	30.00	85.00	2023-03-29	1

The purpose of this report is to show Hawkin U-Fit the pay rates for all current employees, including their starting pay rate, their current pay rate, as well as what the standard pay rate is for their position. Additionally, it shows when their last pay raise was and the number of pay raises each employee has had at the time or reporting.

6. A list of employees by program, job role, and the average hours worked per week in that job role and program.

	EmployeeApplicantID	ProgramID	JobRole	AverageHoursPerWeek
1	111111	333331	Advising basketball employees	35
2	111112	333332	Advising yoga employees	30
3	111113	333333	Coaching the volleyball team	30
4	111114	333334	Helping monitor the swimming program	35
5	111115	333335	Managing the gym daily	34
6	111116	333336	Enforcing rules at football games	33
7	111117	333337	Helping manage the soccer program	40
8	111118	333338	Training crossfit program	40
9	111119	333339	Coaching the baseball team	40
10	111120	333340	Teaching people how to play softball	37

The purpose of this report is to show Hawkin U-Fit their employee, the program ID they are applying for, their job role, and the average hours they work per week. We thought it would be a good idea to add this because it provides easy access for Hawkin U-Fit to look at the information about their employees regarding their jobs.

7. The number of participants enrolled in each activity by month, year, and by employee assigned to the activity and program managing the activity.

	TotalParticipants	EnrollmentMonth	EnrollmentYear	ProgramActivityID	EmployeeApplicantID
1	1	8	2022	777771	111111
2	1	8	2022	777772	111112
3	1	8	2022	777773	111113
4	1	7	2022	777774	111114
5	1	6	2022	777775	111115
6	1	8	2022	777776	111116
7	1	7	2022	777777	111117
8	1	7	2022	777778	111118
9	1	6	2022	777779	111119
10	1	7	2022	777780	111120

The purpose of this activity is to show Hawkin U-Fit the number of participants enrolled in each activity as well as the month and year that they enrolled. Additionally the EmployeeApplicantID for each employee is included to ensure maximum ability to track the employees working in each activity.

A list of employees who aren't managers and have a starting pay rate higher than the average starting pay rate.

	EmployeeApplicantID	StartPayRate
1	111111	32.75
2	111116	32.00
3	111118	35.25

The purpose of this report is to show Hawkins U-Fit which employees (tracked by EmployeeApplicantID) are paid higher than average when it comes to employees who aren’t managers. This is a way to check which employees are outliers in starting pay rate. Since most regular employees make average or less than average, there could potentially be a mistake in pay rate.

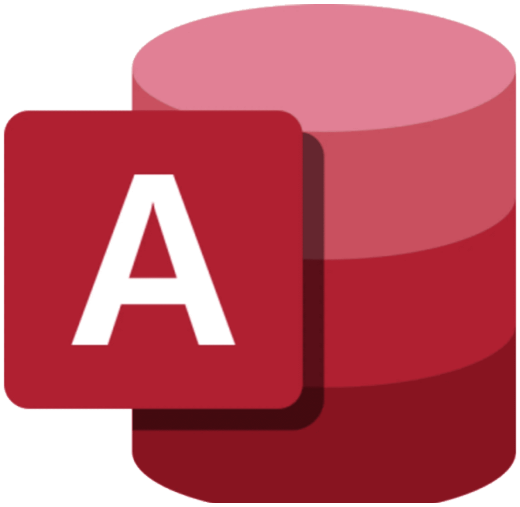
A list of applicants in alphabetical order who have a GPA above 3.6 and are available to work in the summer.

	ApplicantID	AppFirstName	AppLastName	GPA	SummerAvail
1	100006	Anthony	Adams	3.99	Yes
2	100009	Dennis	Brown	3.64	Yes
3	100016	Elizabeth	Harris	3.72	Yes
4	100007	Jessica	Norris	3.85	Yes
5	100001	Jackson	Richards	3.65	Yes
6	100015	Madison	Roberts	3.76	Yes
7	100017	Greg	Rose	3.84	Yes
8	100004	Hannah	Sanders	3.81	Yes

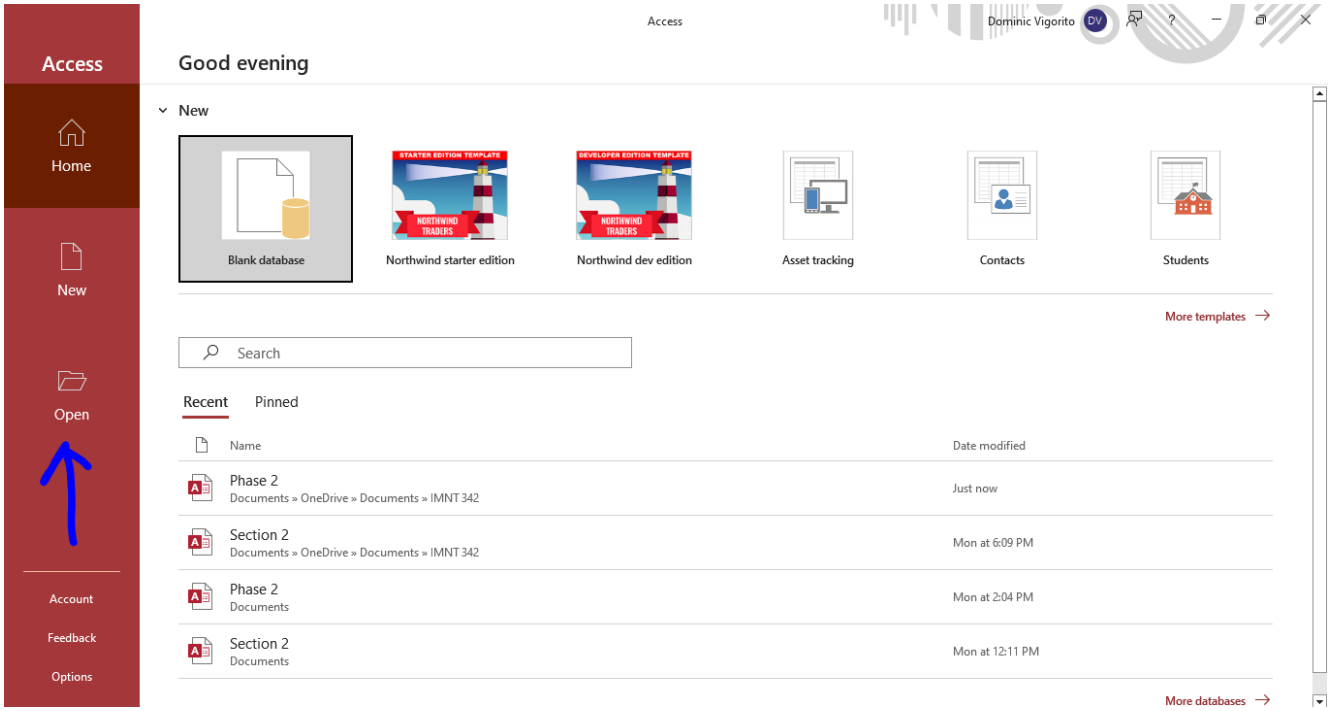
The purpose is to show applicants ordered alphabetically that are available in the summer and also have a high GPA (above 3.6). Many students return home for the summer making it more difficult to find reliable staff. A high GPA shows a certain amount of reliability in an applicant, so we believe it would be helpful to put a high priority on hiring these applicants. The ApplicantID, first and last name are included to make it easier to find more information about the applicants in other tables.

How-To

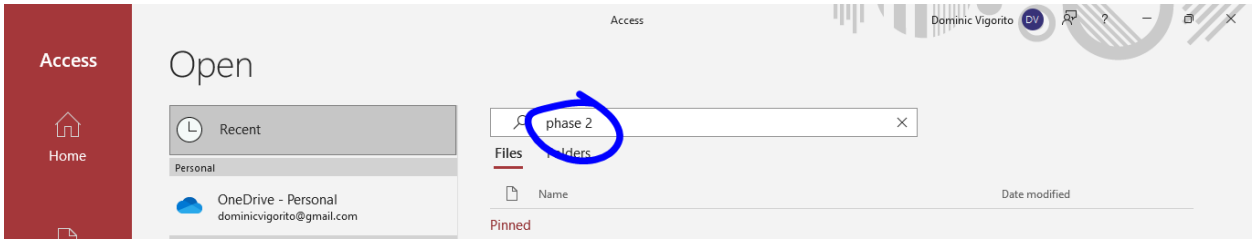
1. Open the Access application on your computer.



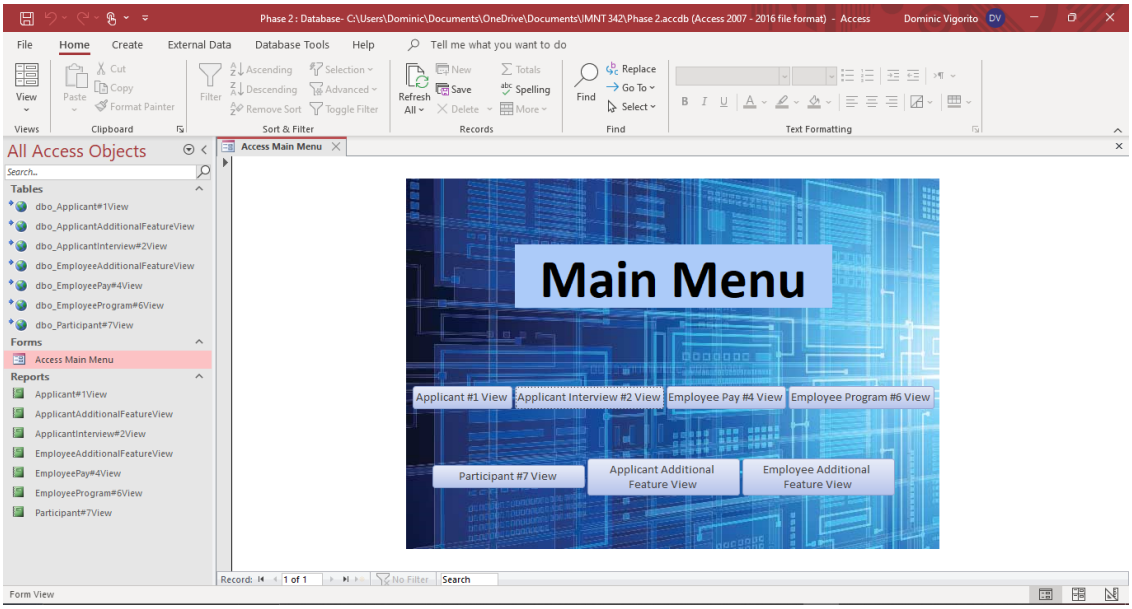
2. Go to Open

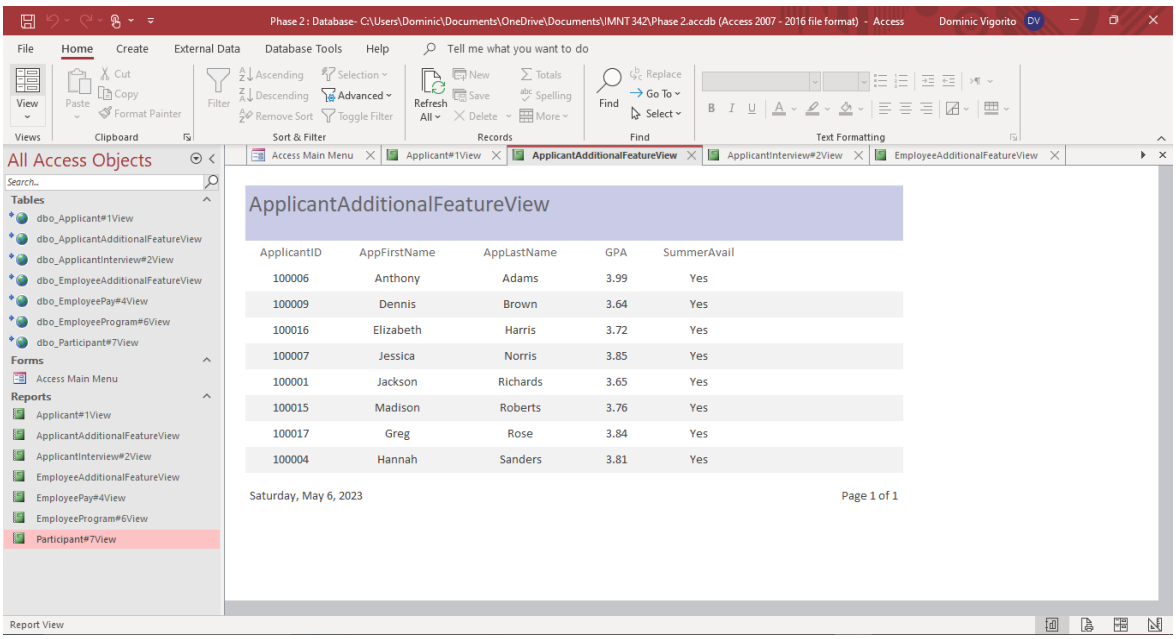


3. Type *Phase 2* into the search bar and click on the file *Phase 2*

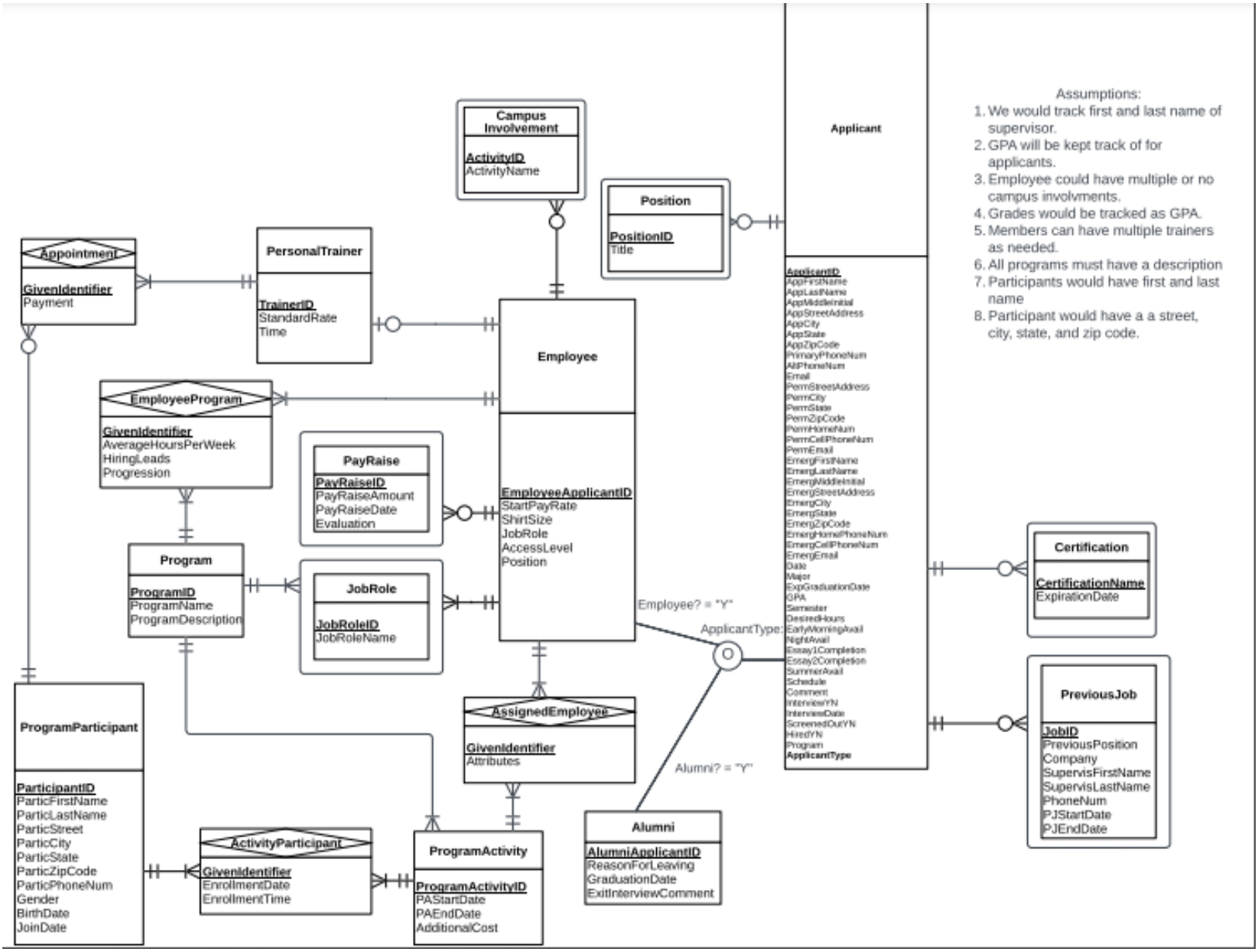


4. Click on any of the 7 report titles to look at reports





Conceptual Data Model (Entity-Relationship Diagram)



Logical Data Model (Logical Schema)

Applicant (**ApplicantID**, AppFirstName, AppLastName, AppMiddleInitial, AppStreetAddress, AppCity, AppState, AppZipCode, PrimaryPhoneNum, AltPhoneNum, Email, PermStreetAddress, PermCity, PermState, PermZipCode, PermHomeNum, PermCellPhoneNum, PermEmail, EmergFirstName, EmergLastName, EmergMiddleInitial, EmergStreetAddress, EmergCity, EmergState, EmergZipCode, EmergHomePhoneNum, EmergCellPhoneNum, EmergEmail, Date, Major, ExpGraduationDate, GPA, Semester, DesiredHours, EarlyMorningAvail, NightAvail, Essay1Completion, Essay2Completion, SummerAvail, Schedule, Comment, InterviewYN, InterviewDate, ScreenedOutYN, HiredYN, Program, **ApplicantType**)

Position (**PositionID**, Title, ***ApplicantID***)

Alumni (***AlumniApplicantID***, ReasonForLeaving, GraduationDate, ExitInterviewComment)

Certification (**CertificationID**, ExpirationDate, ***ApplicantID***)

PreviousJob (**JobID**, PreviousPosition, Company, SupervisFirstName, SupervisLastName, PhoneNum, PJStartDate, PJEndDate, ***ApplicantID***)

Employee (***EmployeeApplicantID***, StartPayRate, ShirtSize, JobRole, AccessLevel, Position)

PayRaise (**PayRaiseID**, PayRaiseAmount, PayRaiseDate, Evaluations, ***EmployeeApplicantID***)

JobRole (**JobRoleID**, JobRoleName, ***EmployeeApplicantID***, ***ProgramID***)

CampusInvolvement (**ActivityID**, ActivityName, ***EmployeeApplicantID***)

PersonalTrainer (**TrainerID**, StandardRate, TotalHoursPerWeek, ***EmployeeApplicantID***)

Appointment (***TrainerID***, ***ParticipantID***, Payment)

AssignedEmployee(***EmployeeApplicantID***, ***ProgramActivityID***)

EmployeeProgram(***EmployeeApplicantID, ProgramID***, AverageHoursPerWeek, HiringLeads, Progression)

ProgramActivity(**ProgramActivityID**, PAStartDate, PAEndDate, AdditionalCost, ***ProgramID***)

Program(**<u>ProgramID</u>**, ProgramName, ProgramDescription)

ActivityParticipant(***<u>ParticipantID</u>***, ***<u>ProgramActivityID</u>***, EnrollmentDate, EnrollmentTime)

ProgramParticipant (**<u>ParticipantID</u>**, ParticFirstName, ParticLastName, ParticStreet, ParticCity, ParticState, ParticZipCode, ParticPhoneNum, Gender, BirthDate, JoinDate)

Data Dictionary

Applicant

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
ApplicantID	PK. Unique sequential number	Auto Number	6	999999				Y
AppFirstName	The applicant's first name	Text	20					Y
AppLastName	The applicant's last name	Text	20					Y
AppMiddleInitial	The applicant's middle initial	Text	1	A				N
AppStreetAddress	The applicant's street address	Text	30					Y
AppCity	The applicant's city of address	Text	30					Y
AppState	The applicant's state of address	Text	2	AA				Y
AppZipCode	The applicant's zip code on the address	Text	5	99999				Y
PrimaryPhoneNum	The applicant's primary phone number	Text	12		999-999-9999			Y
AltPhoneNum	The applicant's alternative phone number	Text	12		999-999-9999			N
Email	The applicant's email address	Text	30					Y
PermStreetAddress	The applicant's permanent street address	Text	30					N
PermCity	The applicant's permanent city of address	Text	30					N

PermState	The applicant's permanent state of address	Text	2	AA				N
PermZipCode	The applicant's permanent zip code on the address	Text	5	99999				N
PermHomeNum	The applicant's permanent home phone number	Text	12		999-999-9999			N
PermCellPhoneNum	The applicant's permanent cell phone number	Text	12		999-999-9999			N
PermEmail	The applicant's permanent email address	Text	30					N
EmergFirstName	The applicant's emergency contact's first name	Text	20					N
EmergLastName	The applicant's emergency contact's last name	Text	20					N
EmergMiddleInitial	The applicant's emergency contact's middle initial	Text	1	A				N
EmergStreetAddress	The applicant's emergency contact's street address	Text	30					N
EmergCity	The applicant's emergency contact's city of address	Text	30					N
EmergState	The applicant's emergency contact's state of address	Text	2	AA				N
EmergZipCode	The applicant's emergency contact's	Text	5	99999				N

	zip code on the address							
EmergHomePhoneNum	The applicant's emergency contact's home phone number	Text	12		999-999-9999			N
EmergCellPhoneNum	The applicant's emergency contact's cell phone number	Text	12		999-999-9999			N
EmergEmail	The applicant's emergency contact's email address	Text	30					N
Date	The date the applicant applied	Date		99/99/99		Default: Today's Date		Y
Major	The applicant's area of study	Text	15					Y
ExpGraduationDate	The applicant's expected date of graduation	Date		99/99/99				Y
GPA	The applicant's active GPA	Decimal	3	9.99			>0	Y
Semester	The semester the applicant is applying for	Text	6					Y
DesiredHours	The applicant's desired weekly hours	Int	2				>0	Y
EarlyMorningAvail	If the applicant is available in the morning	Yes/No						Y
NightAvail	If the applicant is available at night	Yes/No						Y
Essay1Completion	If the applicant completed the first essay	Yes/No						Y

Essay2Completion	If the applicant completed the second essay	Yes/No						Y
SummerAvail	If the applicant is available during the Summer	Yes/No						Y
Schedule	Days and times where applicant is unavailable to work	Text	75					Y
Comment	Any comment made about the applicant	Text	75					N
InterviewYN	If the applicant was interviewed	Yes/No						Y
InterviewDate	The date the applicant was interviewed	Date		99/99/99				N
ScreenedOutYN	If the applicant was screened out	Yes/No						Y
HiredYN	If the applicant was hired	Yes/No						Y
Program	The program the applicant was hired to	Text	20					N
ApplicantType	The classification of the applicant	Employee/Alumni						Y

Position

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
PositionID	PK. Unique sequential number	Auto Number	6	999999				Y
Title	The name of the position	Text	30					Y
ApplicantID	FK. References ApplicantID in the	Int	6	999999				Y

	Applicant table. Indicates the applicant that took the position							

Alumni

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
AlumniApplicantID	PK. Unique sequential number	Auto Number	6	999999				Y
ReasonForLeaving	The alumni's reason for leaving a certain program	Text	30					N
GraduationDate	The date that an alumni graduated	Date		99/99/99				Y
ExitInterviewComment	Comments made by an alumni after leaving a certain program	Text	30					N

Certification

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
CertificationID	PK. Unique sequential number	Auto Number	6	999999				Y
ExpirationDate	Date that the certification expires	Date		99/99/99				N
ApplicantID	FK. References ApplicantID in the Applicant table. Indicates the applicant who has the certification	Int	6	999999				Y

PreviousJob

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
JobID	PK. Unique sequential number	Auto Number	6	999999				Y
PreviousPosition	The name of the position from the previous job	Text	20					Y
Company	The name of the company from the previous job	Text	20					Y
SupervisFirstName	The first name of the supervisor from the previous job	Text	20					Y
SupervisLastName	The last name of the supervisor from the previous job	Text	20					Y
PhoneNum	The phone number of the company from the previous job	Text	12		999-999-9999			Y
PJStartDate	The date of when the person started the previous job	Date		99/99/99				Y
PJEndDate	The date of when the person ended the previous job	Date		99/99/99				N
ApplicantID	FK. References ApplicantID in the Applicant table. Indicates the applicant who had the previous job	Int	6	999999				Y

Employee

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required

EmployeeApplicantID	PK. Unique sequential number	Auto Number	6	999999				Y
StartPayRate	The pay rate that the employee starts out with per hour	Money	4	$99.99			>0	Y
ShirtSize	The size of the shirt for the employee	Text	5					Y
JobRole	The role that the employee's job has	Text	75					Y
AccessLevel	The level of access each employee has	Text	20					Y
Position	The name of the position of the employee	Text	20					Y

PayRaise

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
PayRaiseID	PK. Unique sequential number	Auto Number	6	999999				Y
PayRaiseAmount	The amount of money that is being raised to the employee pay rate	Money	4	$99.99			>0	Y
PayRaiseDate	The date that the pay raise date occurs	Date		99/99/99				Y
Evaluation	A reason or list of reasons why the employee was or wasn't given a raise	Text	30					Y
EmployeeApplicantID	FK. References EmployeeApplicant ID in the Employee table. Indicates the	Int	6	999999				Y

	employee being given the raise							

JobRole

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
JobRoleID	PK. Unique sequential number	Auto Number	6	999999				Y
JobRoleName	The name of the job role	Text	75					Y
EmployeeApplicantID	FK. References EmployeeApplicant ID in the Employee table. Indicates which employees have the job role	Int	6	999999				Y
ProgramID	FK. References ProgramID in the Program table. Indicates which program the job role belongs to	Int	6	999999				Y

CampusInvolvement

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
ActivityID	PK. Unique sequential number	Auto Number	6	999999				Y
ActivityName	The name of the campus involvement	Text	30					Y
EmployeeApplicantID	FK. References EmployeeApplicant ID in the Employee table. Indicates which employees	Int	6	999999				Y

	are involved in the activity							

PersonalTrainer

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
TrainerID	PK. Unique sequential number	Auto Number	6	999999				Y
StandardRate	The amount that the trainer is paid per hour	Money	4	$99.99			>0	Y
TotalHoursPerWeek	The number of hours the trainer works in a week	Int	2				>0	Y
EmployeeApplicantID	FK. References EmployeeApplicant ID in the Employee table. Indicates which employees have the trainer	Int	6	999999				Y

Appointment

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
TrainerID	FK. References TrainerID in the PersonalTrainer table. Indicates which trainer the appointment is for	Int	6	999999				Y
ParticipantID	FK. References ParticipantID in the ProgramParticipant table. Indicates which participant has the appointment	Int	6	999999				Y

Payment	The amount paid/owed for the specific appointment	Money	4	$99.99			>0	Y

AssignedEmployee

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
EmployeeApplicantID	FK. References EmployeeApplicant ID in the Employee table. Indicates which employees are assigned	Int	6	999999				Y
ProgramActivityID	FK. References PrrogramActivityID in the ProgramActivity table. Indicates which program is being assigned to	Int	6	999999				Y

EmployeeProgram

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
EmployeeApplicantID	FK. References EmployeeApplicant ID in the Employee table. Indicates which employees are in the program	Int	6	999999				Y
ProgramID	FK. References ProgramID in the Program table.	Int	6	999999				Y

	Indicates which program the employees are in							
AverageHoursPerWeek	The average hours per week each employee worked in their programs	Int	2	99			>0	Y
HiringLeads	Any potential hiring leads found for the programs	Text	30					N
Progression	Employee's progression through their program	Text	30					N

ProgramActivity

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
ProgramActivityID	PK. Unique sequential number	Auto Number	6	999999				Y
PAStartDate	The date the activity started	Date		99/99/99				Y
PAEndDate	The date the activity ended	Date		99/99/99				N
AdditionalCost	Any additional costs to enroll in the activity	Money	4	$99.99			>0	N
ProgramID	FK. References ProgramID in the Program table. Indicates which program the activity is for	Int	6	999999				Y

Program

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
ProgramID	PK. Unique sequential number	Auto Number	6	999999				Y
ProgramName	The name of the program	Text	30					Y
ProgramDescription	The description of the program	Text	75					Y

ActivityParticipant

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
ParticipantID	FK. References ParticipantID in the ProgramParticipant table. Indicates which participant is in the activity	Int	6	999999				Y
ProgramActivityID	FK. References ProgramActivityID in the ProgramActivity table. Indicates which activity the participant is in	Int	6	999999				Y
EnrollmentDate	The date the participant enrolled in the activity	Date		99/99/99				Y
EnrollmentTime	The time the participant enrolled in the activity	Time		99 : 99 aa			aa = am OR pm	Y

ProgramParticipant

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required

ParticipantID	PK. Unique sequential number	Auto Number	6	999999				Y
ParticFirstName	The participant's first name	Text	20					Y
ParticLastName	The participant's last name	Text	20					Y
ParticStreet	The participant's street address	Text	30					Y
ParticCity	The participant's city of address	Text	30					Y
ParticState	The participant's state of address	Text	2	AA				Y
ParticZipCode	The participant's zip code on the address	Text	5	99999				Y
ParticPhoneNum	The participant's phone number	Text	12		999-999-9999			Y
Gender	The participant's gender	Text	6					Y
BirthDate	The participant's date of birth	Date		99/99/99				Y
JoinDate	The date the participant joined	Date		99/99/99		Default: Today's Date		Y