IST659-M004

Implementation Report

Career Coaching Services

Group 8

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Project Summary

The proposed project is for a company that provides career coaching services to help customers find right jobs. When applying for jobs, candidates with a strong background may fail unexpectedly, if they cannot prove to recruiters that they are good fits appropriately. Those candidates usually lack experiences. The career coaching services will bring industry expertise to help them. This project would create an online portal to allow users obtain access to and manage relevant information.

In this case, career coaching provides four main kinds of services:

1) Career coaching courses (1 to 1 coaching): job search plan, resume revision, cover letter review, networking techniques, LinkedIn profile editing, interview preparation (behavioral questions), interview preparation (technical questions), mock interview (behavioral), mock interview (technical)

2) Skills enhancement online courses (multiple students per session, large courses): Data analysis, Finance, Case interview, Consulting, Excel, PPT

3) Project online courses (multiple students per session, small courses): Data, Finance, Consulting, Accounting

4) Industry expertise speeches: Data, Finance, Accounting, Consulting, Marketing

The services involve customers, coaching course consultants, instructors, and teaching assistants.

The assumptions for the proposed system are that for coaching courses, each student is paired with only one instructor per service; for coaching courses, each student can choose only one job search plan per service (for example: accounting industry plan); for skill courses, one course session has one instructor, one teaching assistant, and at most 50 students; for project courses, one course session has two instructors, one teaching assistant, and at most 15 students; for speeches, one session has one speaker, one teaching assistant, and at most 80 students.

Entity and Attribute Glossary

Entities and their Attributes:

Entity Name: <u>Student</u> **Description:** The customer who uses the services			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Student_Id	VARCHAR(10)	NOT NULL	Primary key/ Unique identifier of the student
b. Student_Lname	VARCHAR(30)	NOT NULL	Last name of student
c. Student_Fname	VARCHAR(30)	NOT NULL	First name of student
d. Student_Email	VARCHAR(50)	NOT NULL	Email of student
e. Student_Phone	VARCHAR(15)	NOT NULL	Phone number of students
f. Student_Major	VARCHAR(30)	NOT NULL	Major of student
g. Student_Edu	VARCHAR(15)	NOT NULL	Current education level of student; can be 'Bachelors', 'Masters', 'MBA', 'PhD' or 'Graduated'
h. Student_School	VARCHAR(60)	NOT NULL	School that student study at currently
i. Student_SchoolYr	NUMERIC(1)	NULL	School year of a student; if the student is 'Graduated', then this will be NULL
j. Consultant_Id	VARCHAR(10)	NOT NULL	Foreign key; each student must have one consultant
Entity Name: <u>Service</u> **Description:** The type of service being stored			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Service_Id	VARCHAR(10)	NOT NULL	Primary key/ Unique identifier of the Service
b. Payment_Id	VARCHAR(10)	NOT NULL	Foreign Key; One payment can have multiple services, so having payment_id here can help identify which payment is related to this service purchased.
c. Service_Name	VARCHAR(30)	NOT NULL	Name of service; there are four service types, and each type has different services that can be identified by service names. For example, for the service type "career coaching", the service names can be "resume revision", "cover letter review", or "mock interview"
d. Service_Type	VARCHAR(30)	NOT NULL	Type of service; can be career coaching courses, skill enhancement online courses, project online courses or industry expertise speeches

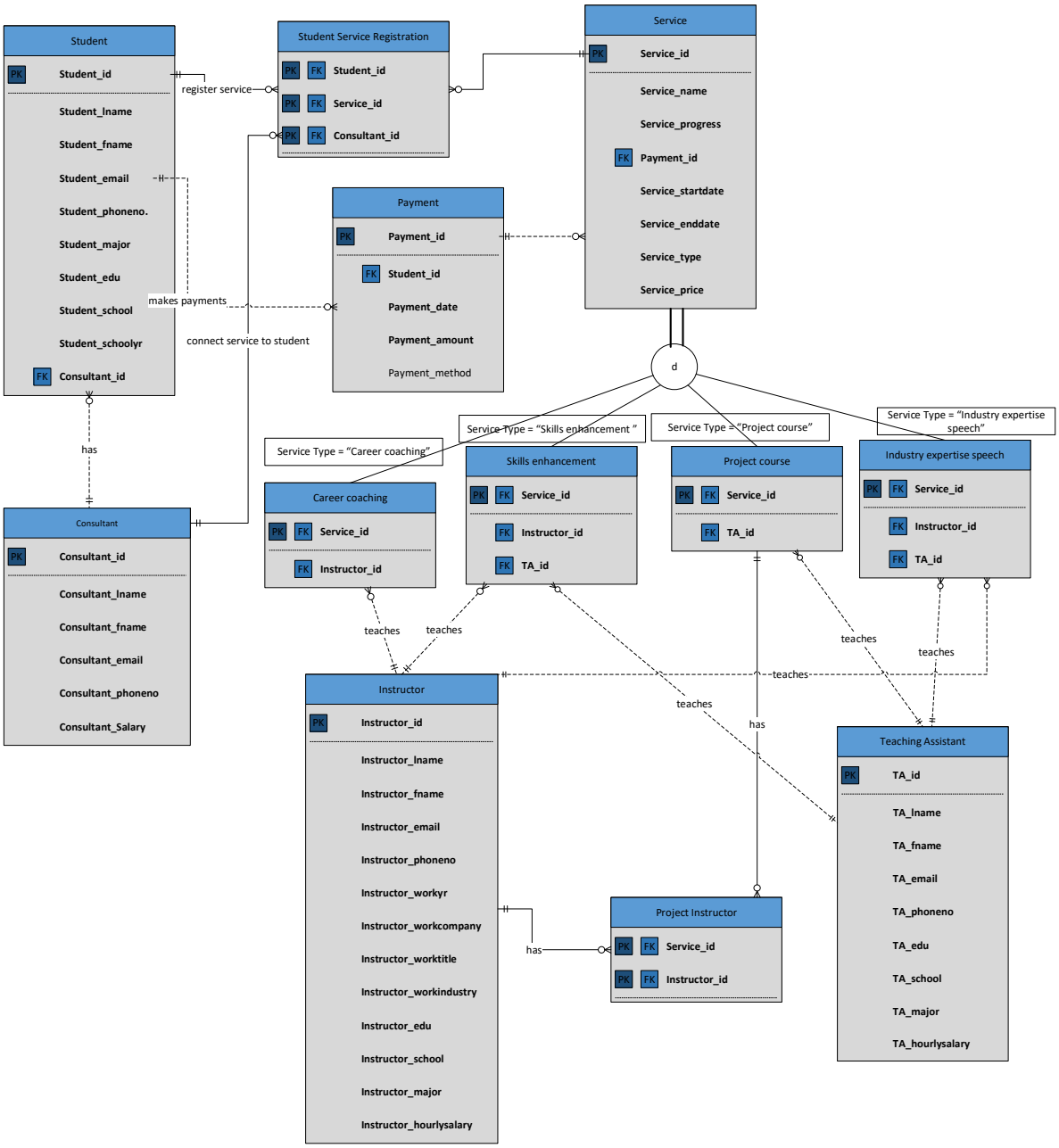
e. Service_Progress	VARCHAR(30)	NOT NULL	The progress this service; can be "not started", "in progress" or "completed"
f. Service_Startdate	DATETIME	NULL	Start date of service
g. Service_Enddate	DATETIME	NULL	End date of service
h. Service_Price	DECIMAL(10,2)	NOT NULL	Price of the single service
Entity Name: <u>Consultant</u> **Description:** Consultant helps students find and pair mentors and schedule coach session; he can see information of students and mentors and connect them. Consultant works for this career coaching service company.			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Consultant_Id	VARCHAR(10)	NOT NULL	Primary key/ Unique identifier for the consultant
b. Consultant_Lname	VARCHAR(30)	NOT NULL	Last name of consultant
c. Consultant_Fname	VARCHAR(30)	NOT NULL	First name of consultant
d. Consultant_Email	VARCHAR(50)	NOT NULL	Email of consultant
e. Consultant_Phone	VARCHAR(15)	NOT NULL	Phone number of consultant
f. Consultant_Salary	DECIMAL(10,2)	NOT NULL	Monthly salary
Entity Name: <u>Teaching Assistant</u> **Description:** Teaching Assistant helps students and assists instructors in the services. They work for this career coaching service company.			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. TA_Id	VARCHAR(10)	NOT NULL	Primary key/ Unique identifier for the TA
b. TA_Lname	VARCHAR(30)	NOT NULL	Last name of TA
c. TA_Fname	VARCHAR(30)	NOT NULL	First name of TA
d. TA_Email	VARCHAR(50)	NOT NULL	Email of TA
e. TA_Phone	VARCHAR(15)	NOT NULL	Phone number of TA
f. TA_Edu	VARCHAR(15)	NOT NULL	Highest education level of TA
g. TA_School	VARCHAR(60)	NOT NULL	School with highest education level of TA
h. TA_Major	VARCHAR(30)	NOT NULL	Major of highest education level
i. TA_HourlySalary	DECIMAL(10,2)	NOT NULL	Hourly Salary of TA
Entity Name: <u>Instructor</u> **Description:** Instructors teach students in all four types of services. They teach in the career coaching service company as part-time, and they have their own jobs at other companies.			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Instructor_Id	VARCHAR(10)	NOT NULL	Primary key/ Unique identifier for the instructor
b. Instructor_Lname	VARCHAR(30)	NOT NULL	Last name of instructor
c. Instructor_Fname	VARCHAR(30)	NOT NULL	First name of instructor
d. Instructor_Email	VARCHAR(50)	NOT NULL	Email of insturctor
e. Instructor_Phone	VARCHAR(15)	NOT NULL	Phone number of instructor
f. Instructor_WorkYr	NUMERIC(2)	NOT NULL	Number of years worked of instructor
g. Instructor_WorkCompany	VARCHAR(20)	NOT NULL	Current Company

h. Instructor_WorkTitle	VARCHAR(20)	NOT NULL	Current Professional Title
i. Instructor_WorkIndustry	VARCHAR(20)	NOT NULL	Industry that instructor work in
j. Instructor_Edu	VARCHAR(15)	NOT NULL	Highest education level of instructor; can be 'High School', 'Bachelors', 'Masters', 'MBA' or 'PhD'
k. Instructor_School	VARCHAR(60)	NOT NULL	School with highest education level
l. Instructor_Major	VARCHAR(30)	NOT NULL	Major with highest education level
m. Instructor_HourlySalary	DECIMAL(10,2)	NOT NULL	Hourly Salary
Entity Name: <u>Payment</u> **Description:** Payment made by customers			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Payment_Id	VARCHAR(10)	NOT NULL	Primary key/ Unique identifier for the payment
b. Student_Id	VARCHAR(10)	NOT NULL	Foreign key
c. Payment_Date	DATETIME	NOT NULL	Date of payment
d. Payment_Amount	DECIMAL(10,2)	NOT NULL	Amount of payment
e. Payment_Method	VARCHAR(30)	NULL	Method of payment; can be cash, credit card, debit card and e-check
Entity Name: <u>Student Service Registration</u> **Description:** Registration for service; it shows what services a student register and the consultant who recommend services to this student			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Student_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
b. Service_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
c. Consultant_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
Entity Name: <u>Project Instructor</u> **Description:** According to our business rules, one project course may have two instructors. So, we create an entity called Project instructor to represent the relationship between instructors and courses			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Service_Id	VARCHAR(10)	NOT NULL	Primary Key/ Foreign key
b. Instructor_Id	VARCHAR(10)	NOT NULL	Primary Key/ Foreign key
The following are subtypes of Service			
Entity Name: <u>Career Coaching</u> **Description:** A subtype of service			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Service_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
b. Instructor_Id	VARCHAR(10)	NOT NULL	Foreign key
Entity Name: <u>Skills Enhancement</u> **Description:** A subtype of service			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Service_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
b. Instructor_Id	VARCHAR(10)	NOT NULL	Foreign key
c. TA_Id	VARCHAR(10)	NOT NULL	Foreign key

Entity Name: <u>Project Course</u> **Description:** A subtype of service			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Service_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
b. TA_Id	VARCHAR(10)	NOT NULL	Foreign key
Entity Name: <u>Industry Expertise Speech</u> **Description:** A subtype of service			
Attribute Name	**Field Type**	**Null/Not Null**	**Description**
a. Service_Id	VARCHAR(10)	NOT NULL	Primary key/ Foreign key
b. Instructor_Id	VARCHAR(10)	NOT NULL	Foreign key
c. TA_Id	VARCHAR(10)	NOT NULL	Foreign key

Relational Data Model

Entity-Relationship Diagram:



Database System Infrastructure

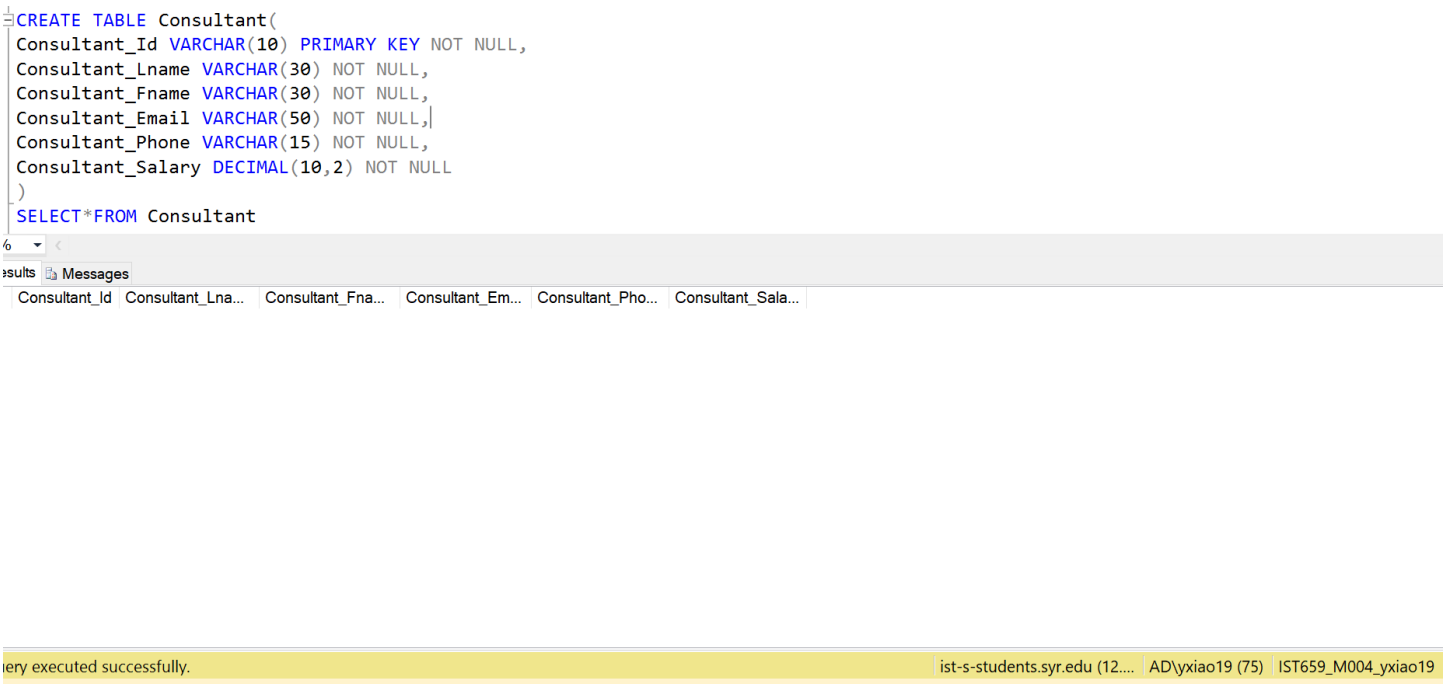
We use the client-server model that uses SQL Server as the database system and ACCESS as the interface tool.

We design 5 user types – student, consultant, instructor, teaching assistant, and admin. They have different access to the different forms we create for them. In those forms, they view different things and have different editing permissions.

Creation of Tables

1. Consultant:

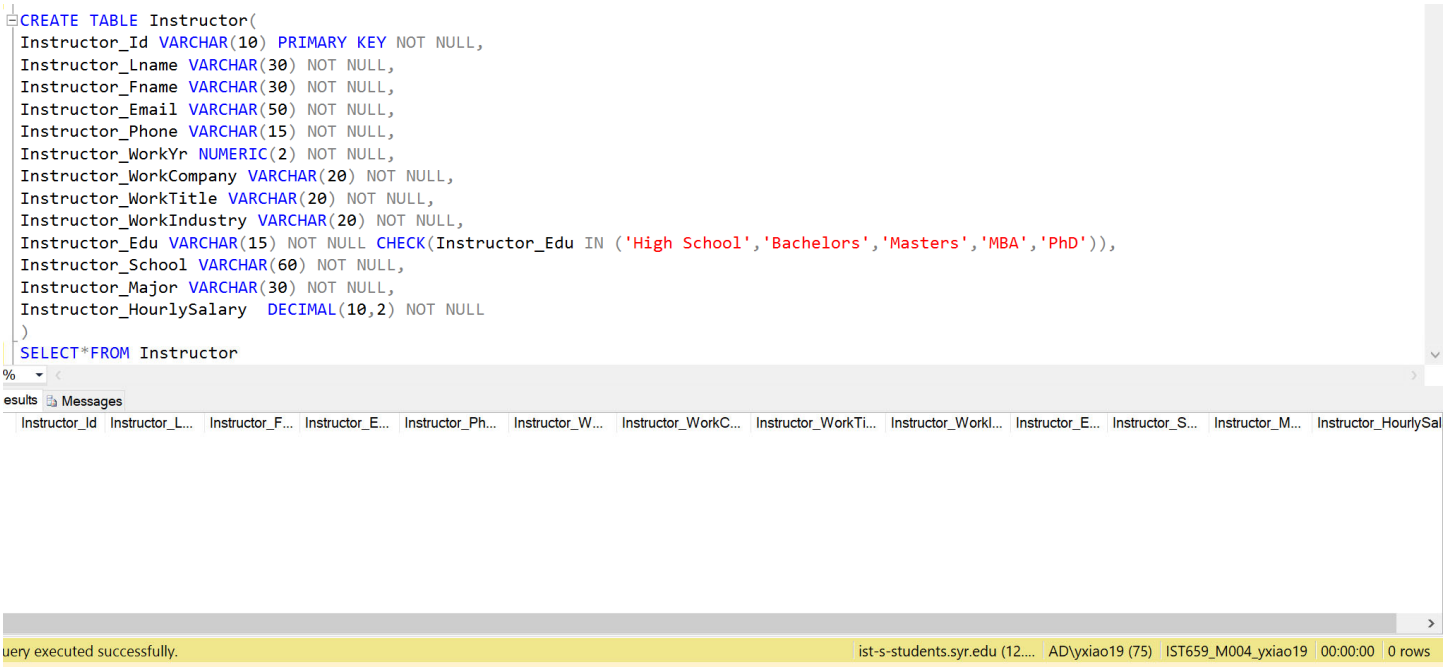
```
CREATE TABLE Consultant(
Consultant_Id VARCHAR(10) PRIMARY KEY NOT NULL,
Consultant_Lname VARCHAR(30) NOT NULL,
Consultant_Fname VARCHAR(30) NOT NULL,
Consultant_Email VARCHAR(50) NOT NULL,
Consultant_Phone VARCHAR(15) NOT NULL,
Consultant_Salary DECIMAL(10,2) NOT NULL
)
SELECT*FROM Consultant
```



2. Instructor:

```
CREATE TABLE Instructor(
Instructor_Id VARCHAR(10) PRIMARY KEY NOT NULL,
Instructor_Lname VARCHAR(30) NOT NULL,
Instructor_Fname VARCHAR(30) NOT NULL,
Instructor_Email VARCHAR(50) NOT NULL,
Instructor_Phone VARCHAR(15) NOT NULL,
Instructor_WorkYr NUMERIC(2) NOT NULL,
Instructor_WorkCompany VARCHAR(20) NOT NULL,
```

```
Instructor_WorkTitle VARCHAR(20) NOT NULL,
Instructor_WorkIndustry VARCHAR(20) NOT NULL,
Instructor_Edu VARCHAR(15) NOT NULL CHECK(Instructor_Edu IN ('High
School','Bachelors','Masters','MBA','PhD')),
Instructor_School VARCHAR(60) NOT NULL,
Instructor_Major VARCHAR(30) NOT NULL,
Instructor_HourlySalary  DECIMAL(10,2) NOT NULL
)
SELECT*FROM Instructor
```



3. Teaching Assistant:

```
CREATE TABLE Teaching_Assistant(
TA_Id VARCHAR(10) PRIMARY KEY NOT NULL,
TA_Lname VARCHAR(30) NOT NULL,
TA_Fname VARCHAR(30) NOT NULL,
TA_Email VARCHAR(50) NOT NULL,
TA_Phone VARCHAR(15) NOT NULL,
TA_Edu VARCHAR(15) NOT NULL CHECK(TA_Edu IN ('High
School','Bachelors','Masters','MBA','PhD')),
TA_School VARCHAR(60) NOT NULL,
TA_Major VARCHAR(30) NOT NULL,
TA_HourlySalary  DECIMAL(10,2) NOT NULL
)
SELECT* FROM Teaching_Assistant
```

```
CREATE TABLE Teaching_Assistant(
TA_Id VARCHAR(10) PRIMARY KEY NOT NULL,
TA_Lname VARCHAR(30) NOT NULL,
TA_Fname VARCHAR(30) NOT NULL,
TA_Email VARCHAR(50) NOT NULL,
TA_Phone VARCHAR(15) NOT NULL,
TA_Edu VARCHAR(15) NOT NULL CHECK(TA_Edu IN ('High School','Bachelors','Masters','MBA','PhD')),
TA_School VARCHAR(60) NOT NULL,
TA_Major VARCHAR(30) NOT NULL,
TA_HourlySalary  DECIMAL(10,2) NOT NULL
)
SELECT* FROM Teaching_Assistant
```

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TA_Id	TA_Lname	TA_Fname	TA_Email	TA_Phone	TA_Edu	TA_School	TA_Major	TA_HourlySalary

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4. Student:

```
CREATE TABLE Student(
Student_Id VARCHAR(10) PRIMARY KEY NOT NULL,
Student_Lname VARCHAR(30) NOT NULL,
Student_Fname VARCHAR(30) NOT NULL,
Student_Email VARCHAR(50) NOT NULL,
Student_Phone VARCHAR(15) NOT NULL,
Student_Edu VARCHAR(15) NOT NULL CHECK(Student_Edu IN
('Bachelors','Masters','MBA','PhD','Graduated')),
Student_SchoolYr Numeric(1),
Student_School VARCHAR(60) NOT NULL,
Student_Major VARCHAR(30) NOT NULL,
Consultant_Id VARCHAR(10) FOREIGN KEY (Consultant_Id) REFERENCES Consultant(Consultant_Id)
NOT NULL
)
SELECT*FROM Student
```

```
CREATE TABLE Student(
Student_Id VARCHAR(10) PRIMARY KEY NOT NULL,
Student_Lname VARCHAR(30) NOT NULL,
Student_Fname VARCHAR(30) NOT NULL,
Student_Email VARCHAR(50) NOT NULL,
Student_Phone VARCHAR(15) NOT NULL,
Student_Edu VARCHAR(15) NOT NULL CHECK(Student_Edu IN ('Bachelors','Masters','MBA','PhD','Graduated')),
Student_SchoolYr Numeric(1),
Student_School VARCHAR(60) NOT NULL,
Student_Major VARCHAR(30) NOT NULL,
Consultant_Id VARCHAR(10) FOREIGN KEY (Consultant_Id) REFERENCES Consultant(Consultant_Id) NOT NULL
)
SELECT*FROM Student
```

%

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Student_...	Student_Lna...	Student_Fna...	Student_Em...	Student_Pho...	Student_E...	Student_School...	Student_Sch...	Student_Maj...	Consultant_Id

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5. Payment:

```
CREATE TABLE Payment(
Payment_Id VARCHAR(10) NOT NULL PRIMARY KEY,
Student_Id VARCHAR(10) NOT NULL,
Payment_Date DATETIME NOT NULL,
Payment_Amount  DECIMAL(10,2) NOT NULL,
Payment_Method VARCHAR(30) ,
FOREIGN KEY(Student_Id) REFERENCES Student(Student_Id)
)
SELECT*FROM Payment
```

```
CREATE TABLE Payment(
Payment_Id VARCHAR(10) NOT NULL PRIMARY KEY,
Student_Id VARCHAR(10) NOT NULL,
Payment_Date DATETIME NOT NULL,
Payment_Amount  DECIMAL(10,2) NOT NULL,
Payment_Method VARCHAR(30) ,
FOREIGN KEY(Student_Id) REFERENCES Student(Student_Id)
)
SELECT*FROM Payment
```

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Payment_Id	Student_Id	Payment_Date	Payment_Amount	Payment_Method

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6. Service:

```
CREATE TABLE Service(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
```

```
Service_Name VARCHAR(30) NOT NULL ,
Service_Progress VARCHAR(30) NOT NULL  CHECK(Service_Progress IN ('Not Started','In
Progress','Completed')),
Payment_Id VARCHAR(10) NOT NULL FOREIGN KEY REFERENCES Payment (Payment_Id),
Service_Startdate DATETIME,
Service_Enddate DATETIME,
Service_Type VARCHAR(30) NOT NULL CHECK(Service_Type IN ('Career Coaching','Skills
Enhancement','Project Course','Industry Expertise Speech')),
Service_Price  DECIMAL(10,2) NOT NULL
)
SELECT*FROM Service
```

```
CREATE TABLE Service(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
Service_Name VARCHAR(30) NOT NULL ,
Service_Progress VARCHAR(30) NOT NULL  CHECK(Service_Progress IN ('Not Started','In Progress','Completed')),
Payment_Id VARCHAR(10) NOT NULL FOREIGN KEY REFERENCES Payment (Payment_Id),
Service_Startdate DATETIME,
Service_Enddate DATETIME,
Service_Type VARCHAR(30) NOT NULL CHECK(Service_Type IN ('Career Coaching','Skills Enhancement','Project Course','Industry Expertise Speech'))
Service_Price  DECIMAL(10,2) NOT NULL
)
SELECT*FROM Service
```

esults | Messages

Service_Id	Service_Name	Service_Progress	Payment_Id	Service_Startdate	Service_Enddate	Service_Type	Service_Price

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7. Service_Type_Career_Coaching:

```
CREATE TABLE Service_Type_Career_Coaching(
Service_Id VARCHAR(10) PRIMARY KEY NOT NULL,
FOREIGN KEY (Service_Id) REFERENCES Service(Service_Id),
Instructor_Id VARCHAR(10) FOREIGN KEY(Instructor_Id) REFERENCES Instructor(Instructor_Id) NOT
NULL,
)
SELECT*FROM Service_Type_Career_Coaching
```

```
CREATE TABLE Service_Type_Career_Coaching(
Service_Id VARCHAR(10) PRIMARY KEY NOT NULL,
FOREIGN KEY (Service_Id) REFERENCES Service(Service_Id),
Instructor_Id VARCHAR(10) FOREIGN KEY(Instructor_Id) REFERENCES Instructor(Instructor_Id) NOT NULL,
)
SELECT*FROM Service_Type_Career_Coaching
```

esults | Messages

Service_Id	Instructor_Id

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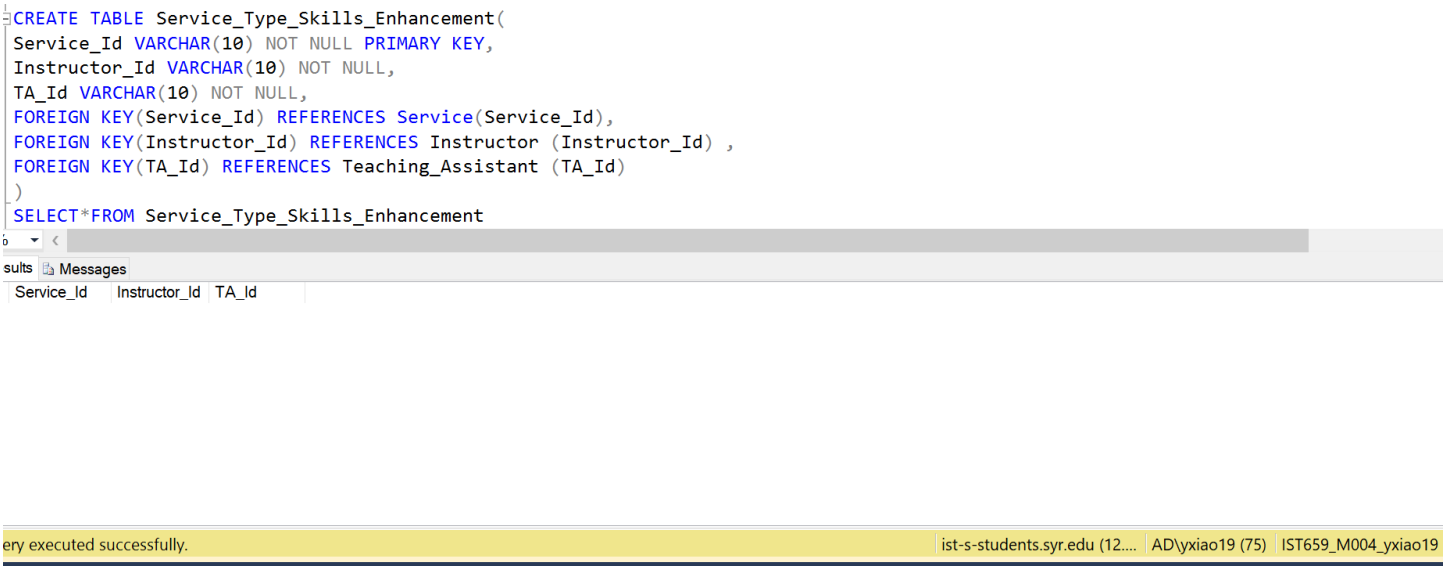
8. Service_Type_Skills_Enhancement:

```
CREATE TABLE Service_Type_Skills_Enhancement(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
Instructor_Id VARCHAR(10) NOT NULL,
TA_Id VARCHAR(10) NOT NULL,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id),
FOREIGN KEY(Instructor_Id) REFERENCES Instructor (Instructor_Id) ,
FOREIGN KEY(TA_Id) REFERENCES Teaching_Assistant (TA_Id)
)
SELECT*FROM Service_Type_Skills_Enhancement
```



9. Service_Type_Project_Course:

```
CREATE TABLE Service_Type_Project_Course(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
TA_Id VARCHAR(10) NOT NULL,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id),
FOREIGN KEY(TA_Id) REFERENCES Teaching_Assistant (TA_Id)
)
SELECT*FROM Service_Type_Project_Course
```

```
CREATE TABLE Service_Type_Project_Course(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
TA_Id VARCHAR(10) NOT NULL,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id),
FOREIGN KEY(TA_Id) REFERENCES Teaching_Assistant (TA_Id)
)
SELECT*FROM Service_Type_Project_Course
```

esults Messages

Service_Id	TA_Id

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10. Project_Instructor:

```
CREATE TABLE Project_Instructor(
Service_Id VARCHAR(10)  NOT NULL,
Instructor_Id VARCHAR(10)  NOT NULL,
PRIMARY KEY (Service_Id,Instructor_Id),
FOREIGN KEY (Service_Id) REFERENCES Service(Service_Id) ,
FOREIGN KEY (Instructor_Id) REFERENCES Instructor(Instructor_Id)
)
SELECT*FROM Project_Instructor
```

```
CREATE TABLE Project_Instructor(
Service_Id VARCHAR(10)  NOT NULL,
Instructor_Id VARCHAR(10)  NOT NULL,
PRIMARY KEY (Service_Id,Instructor_Id),
FOREIGN KEY (Service_Id) REFERENCES Service(Service_Id) ,
FOREIGN KEY (Instructor_Id) REFERENCES Instructor(Instructor_Id)
)
SELECT*FROM Project_Instructor
```

sults Messages

Service_Id	Instructor_Id

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11. Service_Type_Industry_Expertise_Speech:

```
CREATE TABLE Service_Type_Industry_Expertise_Speech(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
Instructor_Id VARCHAR(10) NOT NULL,
TA_Id VARCHAR(10) NOT NULL,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id) ,
FOREIGN KEY(Instructor_Id) REFERENCES Instructor (Instructor_Id) ,
FOREIGN KEY(TA_Id) REFERENCES Teaching_Assistant (TA_Id)
)
```

```
SELECT*FROM Service_Type_Industry_Expertise_Speech
```

```
CREATE TABLE Service_Type_Industry_Expertise_Speech(
Service_Id VARCHAR(10) NOT NULL PRIMARY KEY,
Instructor_Id VARCHAR(10) NOT NULL,
TA_Id VARCHAR(10) NOT NULL,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id) ,
FOREIGN KEY(Instructor_Id) REFERENCES Instructor (Instructor_Id) ,
FOREIGN KEY(TA_Id) REFERENCES Teaching_Assistant (TA_Id)
)
SELECT*FROM Service_Type_Industry_Expertise_Speech
```

sults | Messages

Service_Id	Instructor_Id	TA_Id

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12. Student_Service_Registration:

```
CREATE TABLE Student_Service_Registration(
Student_Id VARCHAR(10) NOT NULL,
Service_Id VARCHAR(10) NOT NULL,
Consultant_Id VARCHAR(10) NOT NULL,
PRIMARY KEY (Student_Id,Service_Id, Consultant_Id),
FOREIGN KEY(Student_Id) REFERENCES Student(Student_Id) ,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id) ,
FOREIGN KEY(Consultant_Id) REFERENCES Consultant(Consultant_Id)
)
SELECT*FROM Student_Service_Registration
```

```
CREATE TABLE Student_Service_Registration(
Student_Id VARCHAR(10) NOT NULL,
Service_Id VARCHAR(10) NOT NULL,
Consultant_Id VARCHAR(10) NOT NULL,
PRIMARY KEY (Student_Id,Service_Id, Consultant_Id),
FOREIGN KEY(Student_Id) REFERENCES Student(Student_Id) ,
FOREIGN KEY(Service_Id) REFERENCES Service(Service_Id) ,
FOREIGN KEY(Consultant_Id) REFERENCES Consultant(Consultant_Id)
)
SELECT*FROM Student_Service_Registration
```

sults | Messages

Student_Id	Service_Id	Consultant_Id

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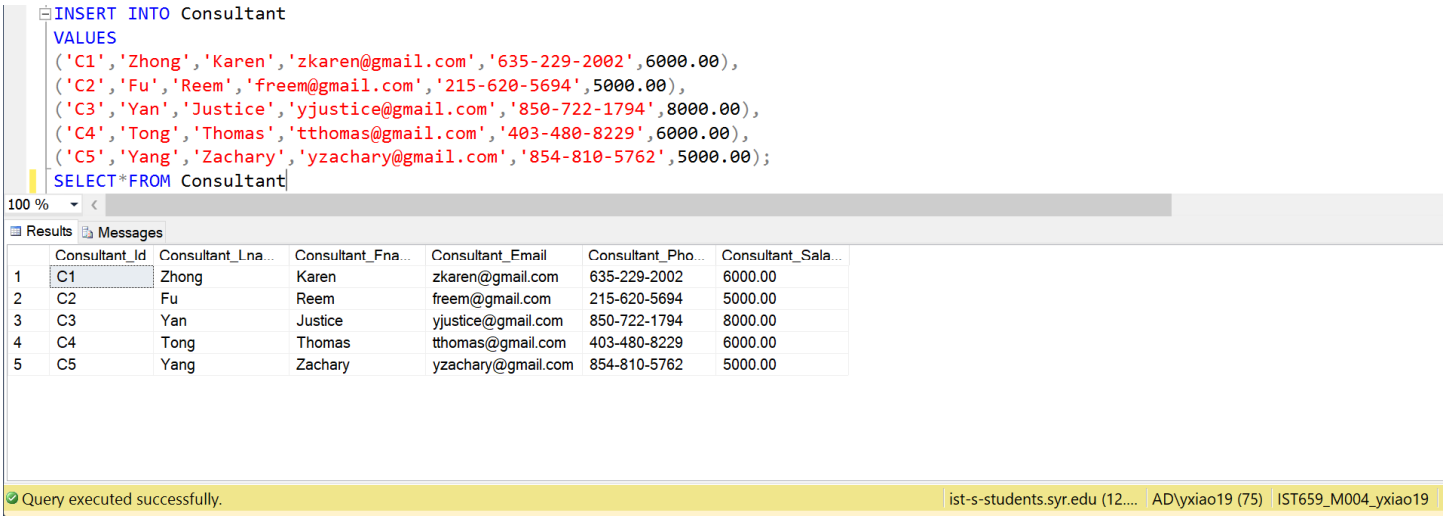
Inserting Sample Data

1. Consultant:

```
INSERT INTO Consultant
VALUES
('C1','Zhong','Karen','zkaren@gmail.com','635-229-2002',6000.00),
('C2','Fu','Reem','freem@gmail.com','215-620-5694',5000.00),
('C3','Yan','Justice','yjustice@gmail.com','850-722-1794',8000.00),
('C4','Tong','Thomas','tthomas@gmail.com','403-480-8229',6000.00),
('C5','Yang','Zachary','yzachary@gmail.com','854-810-5762',5000.00);
SELECT*FROM Consultant
```



```
INSERT INTO Consultant
VALUES
('C1','Zhong','Karen','zkaren@gmail.com','635-229-2002',6000.00),
('C2','Fu','Reem','freem@gmail.com','215-620-5694',5000.00),
('C3','Yan','Justice','yjustice@gmail.com','850-722-1794',8000.00),
('C4','Tong','Thomas','tthomas@gmail.com','403-480-8229',6000.00),
('C5','Yang','Zachary','yzachary@gmail.com','854-810-5762',5000.00);
SELECT*FROM Consultant
```

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Results | Messages

	Consultant_Id	Consultant_Lna...	Consultant_Fna...	Consultant_Email	Consultant_Pho...	Consultant_Sala...
1	C1	Zhong	Karen	zkaren@gmail.com	635-229-2002	6000.00
2	C2	Fu	Reem	freem@gmail.com	215-620-5694	5000.00
3	C3	Yan	Justice	yjustice@gmail.com	850-722-1794	8000.00
4	C4	Tong	Thomas	tthomas@gmail.com	403-480-8229	6000.00
5	C5	Yang	Zachary	yzachary@gmail.com	854-810-5762	5000.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19

2. Instructor:

```
INSERT INTO Instructor
VALUES
('I1','Ai','Luke','aluke@gmail.com','447-909-8671',3,'Facebook','Data
Analyst','Data','Masters','University of Chicago','Statistics',130.00),
('I2','Nian','Arielle','narielle@gmail.com','932-435-9070',5,'EY','Senior
Audit','Accounting','Masters','Syracuse University','Accounting',150.00),
('I3','Da','Victor','dvictor@gmail.com','958-567-2167',7,'Morgan Stanely','Risk
Management','Finance','Masters','Columbia University','Finance',170.00),
('I4','Ha','Emily','hemily@gmail.com','529-574-
6797',4,'McKinsey','Consultant','Consulting','MBA','Brown University','Management',150.00),
('I5','Mo','Melissa','mmelissa@gmail.com','483-856-3666',5,'Deloitte','Tax
Analyst','Accounting','Masters','Boston University','Accounting',150.00),
('I6','Shang','Phoebe','sphoebe@gmail.com','358-340-1801',6,'Wayfair','Data
Scientist','Data','Masters','Rice University','Data Science',160.00),
('I7','Bo','Ruth','bruth@gmail.com','357-676-5845',3,'Amazon','Marketing
Analyst','Marketing','Masters','Cornell University','Marketing',130.00),
('I8','Nai','Lauren','nlauren@gmail.com','544-221-2988',7,'Amex','Supply Chain
Analyst','Supply Chain','Bachelors','Lehigh University','Supply Chain',170.00)
SELECT*FROM Instructor
```

```
INSERT INTO Instructor
VALUES
('I1','Ai','Luke','aluke@gmail.com','447-909-8671',3,'Facebook','Data Analyst','Data','Masters','University of Chicago','Statistics',130.00),
('I2','Nian','Arielle','narielle@gmail.com','932-435-9070',5,'EY','Senior Audit','Accounting','Masters','Syracuse University','Accounting',150
('I3','Da','Victor','dvictor@gmail.com','958-567-2167',7,'Morgan Stanely','Risk Management','Finance','Masters','Columbia University','Finance
('I4','Ha','Emily','hemily@gmail.com','529-574-6797',4,'McKinsey','Consultant','Consulting','MBA','Brown University','Management',150.00),
('I5','Mo','Melissa','mmelissa@gmail.com','483-856-3666',5,'Deloitte','Tax Analyst','Accounting','Masters','Boston University','Accounting',15
('I6','Shang','Phoebe','sphoebe@gmail.com','358-340-1801',6,'Wayfair','Data Scientist','Data','Masters','Rice University','Data Science',160.0
('I7','Bo','Ruth','bruth@gmail.com','357-676-5845',3,'Amazon','Marketing Analyst','Marketing','Masters','Cornell University','Marketing',130.0
('I8','Nai','Lauren','nlauren@gmail.com','544-221-2988',7,'Amex','Supply Chain Analyst','Supply Chain','Bachelors','Lehigh University','Supply
SELECT*FROM Instructor
```

100 %

Results | Messages

	Instructor_Id	Instructor...	Instructor...	Instructor_Email	Instructor_Phone	Instru...	Instructor_Work...	Instructor_WorkTitle	Instructor_WorkIndust...	Instructor_Edu	Instructor_School	Instructor_Major	Instructo
1	I1	Ai	Luke	aluke@gmail.com	447-909-8671	3	Facebook	Data Analyst	Data	Masters	University of Chicago	Statistics	130.00
2	I2	Nian	Arielle	narielle@gmail.com	932-435-9070	5	EY	Senior Audit	Accounting	Masters	Syracuse University	Accounting	150.00
3	I3	Da	Victor	dvictor@gmail.com	958-567-2167	7	Morgan Stanely	Risk Management	Finance	Masters	Columbia University	Finance	170.00
4	I4	Ha	Emily	hemily@gmail.com	529-574-6797	4	McKinsey	Consultant	Consulting	MBA	Brown University	Management	150.00
5	I5	Mo	Melissa	mmelissa@gmail.com	483-856-3666	5	Deloitte	Tax Analyst	Accounting	Masters	Boston University	Accounting	150.00
6	I6	Shang	Phoebe	sphoebe@gmail.com	358-340-1801	6	Wayfair	Data Scientist	Data	Masters	Rice University	Data Science	160.00
7	I7	Bo	Ruth	bruth@gmail.com	357-676-5845	3	Amazon	Marketing Analyst	Marketing	Masters	Cornell University	Marketing	130.00
8	I8	Nai	Lauren	nlauren@gmail.com	544-221-2988	7	Amex	Supply Chain Analyst	Supply Chain	Bachelors	Lehigh University	Supply Chain	170.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19 | 00:00:00 | 8 rows

3. Teaching Assistant:

```
INSERT INTO Teaching_Assistant
VALUES
('T1','She','Samantha','ssamantha@gmail.com','582-344-8831','Bachelors','University at
Buffalo','Finance&Accounting',20.00),
('T2','Mou','Nikolai','mnikolai@gmail.com','321-766-6554','Bachelors','Purdue
University','Analytics',20.00),
('T3','Shang','Emma','semma@gmail.com','257-264-1163','Bachelors','University of
Florida','Marketing',18.00),
('T4','Qin','Bayley','qbayley@gmail.com','551-282-2938','Bachelors','Binghamton
University','Accounting',18.00);
SELECT*FROM Teaching_Assistant
```

```
INSERT INTO Teaching_Assistant
VALUES
('T1','She','Samantha','ssamantha@gmail.com','582-344-8831','Bachelors','University at Buffalo','Finance&Accounting',20.00),
('T2','Mou','Nikolai','mnikolai@gmail.com','321-766-6554','Bachelors','Purdue University','Analytics',20.00),
('T3','Shang','Emma','semma@gmail.com','257-264-1163','Bachelors','University of Florida','Marketing',18.00),
('T4','Qin','Bayley','qbayley@gmail.com','551-282-2938','Bachelors','Binghamton University','Accounting',18.00);
SELECT*FROM Teaching_Assistant
```

100 %

Results | Messages

	TA...	TA_Lna...	TA_Fna...	TA_Email	TA_Phone	TA_Edu	TA_School	TA_Major	TA_HourlySal...
1	T1	She	Samantha	ssamantha@gmail.com	582-344-8831	Bachelors	University at Buffalo	Finance&Accounting	20.00
2	T2	Mou	Nikolai	mnikolai@gmail.com	321-766-6554	Bachelors	Purdue University	Analytics	20.00
3	T3	Shang	Emma	semma@gmail.com	257-264-1163	Bachelors	University of Florida	Marketing	18.00
4	T4	Qin	Bayley	qbayley@gmail.com	551-282-2938	Bachelors	Binghamton University	Accounting	18.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19

4. Student:

```
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S1','Zhao', 'Paige', 'zpaige@gmail.com','315-418-0126', 'Bachelors','1', 'Syracuse
University', 'Business Analytics', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S2','Qian', 'David', 'qdavid@gmail.com','774-404-5943', 'Masters',  '2', 'New York
University', 'Data Science', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S3','Sun', 'Chris', 'schris@gmail.com','350-260-2518', 'PhD',  '3', 'Columbia
University', 'Information Management', 'C5')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S4','Li', 'Brad', 'lbrad@gmail.com','977-878-4346', 'Bachelors','3', 'Northwestern
Uni', 'Accounting', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S5','Zhou', 'Alex', 'zalex@gmail.com','980-794-9628', 'Bachelors','2', 'Dartmouth
College', 'Computer Science', 'C4')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S6','Wu', 'Ben', 'wben@gmail.com','221-734-9453', 'Bachelors','4', 'Boston College',
'Computer Science', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S7','Zheng', 'Carl', 'zcarl@gmail.com','938-122-5322', 'PhD',  '2', 'Tufts
University', 'Finance', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S8','Zheng', 'Chuck', 'zchuck@gmail.com','316-234-0281', 'MBA','1', 'Wake Forest
Uni', 'Business Analytics', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S9','Zhang', 'Clay', 'zclay@gmail.com','418-243-9982', 'MBA','2', 'Uni of N
Carolina', 'Information Management', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S10','Wang', 'Connie', 'wconnie@gmail.com','726-163-4523', 'MBA','2', 'Uni of
Rochester', 'Supply Chain Management', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant_Id)
VALUES ('S11','Wang', 'Dan', 'wdan@gmail.com','235-203-9923', 'Graduated', 'Uni of Florida',
'Business Analytics', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant_Id)
```

```
VALUES ('S12','Li', 'Daron', 'ldaron@gmail.com','732-436-4999', 'Graduated', 'Uni of
Cincinnati', 'Information Management', 'C4')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S13','He', 'Alina', 'halina@gmail.com','422-525-9263', 'Bachelors','3', 'Syracuse
University', 'Computer Science', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S14','Wu', 'Laura', 'wlaura@gmail.com','822-562-5325', 'Masters','2', 'College of
William and Mary', 'Accounting', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S15','Dong', 'Steve', 'dsteve@gmail.com','923-423-6326', 'Masters','2', 'Suffolk
University', 'Marketing', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant_Id)
VALUES ('S16','Han', 'Vincent', 'hvincent@gmail.com','252-634-6357', 'Graduated', 'University
of Rochester', 'Data Science', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S17','Yang', 'Austin', 'yaustin@gmail.com','513-643-7532', 'Bachelors', '3', 'Utica
College', 'Business Analytics', 'C5')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S18','Jiang', 'Dylan', 'jdylan@gmail.com','643-754-7754', 'Masters','2', 'University
of Illinois at Urbana-Champaign', 'Marketing', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S19','Shen', 'Ananti', 'sananti@gmail.com','644-752-8765', 'MBA','2', 'Villanova
University', 'Data Science', 'C4')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S20','Fan', 'Ezichi', 'fezichi@gmail.com','548-264-2366', 'PhD',  '4', 'University
of Rochester', 'Information Management', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S21','Wang', 'Christina', 'wchristina@gmail.com','724-164-4753', 'MBA','1',
'University of Miami', 'Supply Chain Management', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant_Id)
VALUES ('S22','Yang', 'Sahil', 'ysahil@gmail.com','264-643-7352', 'Graduated', 'University of
Cincinnati', 'Business Analytics', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant_Id)
VALUES ('S23','Luo', 'Adeeso', 'ladeeso@gmail.com','522-423-4765', 'Graduated', 'University
of Southern California', 'Information Management', 'C3')
```

```sql
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S24','Zhang', 'Gustavo', 'zgustavo@gmail.com','924-263-6736', 'Bachelors','3',
'Tufts University', 'Computer Science', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S25','Fang', 'Aby', 'faby@gmail.com','952-642-3342', 'Masters','2', 'Suffolk
University', 'Accounting', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S26','Zhu', 'Caitlin', 'zcaitlin@gmail.com','523-623-8653', 'Masters','2', 'New York
University', 'Marketing', 'C4')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant_Id)
VALUES ('S27','Zuo', 'Nikhil', 'znikhil@gmail.com','248-655-3356', 'Graduated', 'Tulane
University', 'Data Science', 'C5')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S28','Liu', 'Danny', 'ldanny@gmail.com','923-456-2456', 'Bachelors', '4', 'Lehigh
University', 'Business Analytics', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S29','Li', 'Tyler', 'ltyler@gmail.com','755-452-3562', 'Masters','1', 'University of
Washington', 'Marketing', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S30','Xu', 'Adam', 'xadam@gmail.com','432-345-3754', 'MBA','1', 'George Washington
University', 'Finance', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname,
Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student_Major,Consult
ant_Id)
VALUES ('S31','Huang', 'Andy', 'handy@gmail.com','643-865-2657', 'PhD',  '2', 'University of
Connecticut', 'Information Management', 'C4')
SELECT*FROM Student
```

```
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S1','Zhao', 'Paige', 'zpaige@gmail.com','315-418-0126', 'Bachelors','1', 'Syracuse University', 'Business Analytics', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S2','Qian', 'David', 'qdavid@gmail.com','774-404-5943', 'Masters',  '2', 'New York University', 'Data Science', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S3','Sun', 'Chris', 'schris@gmail.com','350-260-2518', 'PhD',  '3', 'Columbia University', 'Information Management', 'C5')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S4','Li', 'Brad', 'lbrad@gmail.com','977-878-4346', 'Bachelors','3', 'Northwestern Uni', 'Accounting', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S5','Zhou', 'Alex', 'zalex@gmail.com','980-794-9628', 'Bachelors','2', 'Dartmouth College', 'Computer Science', 'C4')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S6','Wu', 'Ben', 'wben@gmail.com','221-734-9453', 'Bachelors','4', 'Boston College', 'Computer Science', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S7','Zheng', 'Carl', 'zcarl@gmail.com','938-122-5322', 'PhD',  '2', 'Tufts University', 'Finance', 'C1')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S8','Zheng', 'Chuck', 'zchuck@gmail.com','316-234-0281', 'MBA','1', 'Wake Forest Uni', 'Business Analytics', 'C2')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S9','Zhang', 'Clay', 'zclay@gmail.com','418-243-9982', 'MBA','2', 'Uni of N Carolina', 'Information Management', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_SchoolYr,Student_School,Student
VALUES ('S10','Wang', 'Connie', 'wconnie@gmail.com','726-163-4523', 'MBA','2', 'Uni of Rochester', 'Supply Chain Management', 'C3')
INSERT INTO Student (Student_Id, Student_Lname, Student_Fname, Student_Email,Student_Phone,Student_Edu,Student_School,Student_Major,Consultant
```

100 %

Results | Messages

	Student_...	Student_Lna...	Student_Fna...	Student_Email	Student_Pho...	Student_E...	Student_School...	Student_School	Student_Major	Consultant_Id
1	S1	Zhao	Paige	zpaige@gmail.com	315-418-0126	Bachelors	1	Syracuse University	Business Analytics	C2
2	S10	Wang	Connie	wconnie@gmail.com	726-163-4523	MBA	2	Uni of Rochester	Supply Chain Management	C3
3	S11	Wang	Dan	wdan@gmail.com	235-203-9923	Graduated	NULL	Uni of Florida	Business Analytics	C1
4	S12	Li	Daron	ldaron@gmail.com	732-436-4999	Graduated	NULL	Uni of Cincinnati	Information Management	C4
5	S13	He	Alina	halina@gmail.com	422-525-9263	Bachelors	3	Syracuse University	Computer Science	C2
6	S14	Wu	Laura	wlaura@gmail.com	822-562-5325	Masters	2	College of William and Mary	Accounting	C3
7	S15	Dong	Steve	dsteve@gmail.com	923-423-6326	Masters	2	Suffolk University	Marketing	C1
8	S16	Han	Vincent	hvincent@gmail.com	252-634-6357	Graduated	NULL	University of Rochester	Data Science	C1
9	S17	Yang	Austin	yaustin@gmail.com	513-643-7532	Bachelors	3	Utica College	Business Analytics	C5
10	S18	Jiang	Dylan	jdylan@gmail.com	643-754-7754	Masters	2	University of Illinois at Urbana-Champaign	Marketing	C3

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19 | 00:00:00 | 31 rows

5. Payment:

```
INSERT INTO Payment (Payment_Id, Student_Id, Payment_Date,Payment_Amount,Payment_Method)
VALUES
('P1','S1','2018-06-07 00:00:00.000',500.00,'Cash'),
('P2','S2','2018-12-24 00:00:00.000',1000.00,'Credit Card'),
('P3','S5','2018-11-07 00:00:00.000',800.00,'Debit Card'),
('P4','S6','2018-10-11 00:00:00.000',100.00,'Debit Card'),
('P5','S9','2018-12-20 00:00:00.000',1000.00,'Credit Card'),
('P6','S11','2018-10-10 00:00:00.000',100.00,'Cash'),
('P7','S13','2019-02-20 00:00:00.000',500.00,'E-Check'),
('P8','S15','2018-12-21 00:00:00.000',1500.00,'Credit Card'),
('P9','S18','2018-12-19 00:00:00.000',2000.00,'Credit Card'),
('P10','S9','2018-11-09 00:00:00.000',800.00,'E-Check'),
('P11','S11','2018-10-07 00:00:00.000',100.00,'Cash'),
('P12','S12','2019-01-05 00:00:00.000',1000.00,'Credit Card'),
('P13','S15','2018-11-07 00:00:00.000',800.00,'Debit Card'),
('P14','S16','2018-10-10 00:00:00.000',100.00,'Debit Card'),
('P15','S19','2019-01-02 00:00:00.000',1000.00,'Credit Card'),
('P16','S20','2019-01-16 00:00:00.000',500.00,'Cash'),
('P17','S23','2018-11-08 00:00:00.000',800.00,'E-Check'),
('P18','S25','2019-01-05 00:00:00.000',1500.00,'Credit Card'),
('P19','S28','2019-03-15 00:00:00.000',1800.00,'Credit Card'),
('P20','S29','2019-04-07 00:00:00.000',800.00,'E-Check'),
('P21','S3','2019-04-07 00:00:00.000',800.00,'Credit Card'),
('P22','S4','2019-04-06 00:00:00.000',800.00,'Credit Card'),
('P23','S7','2019-04-09 00:00:00.000',800.00,'Credit Card'),
('P24','S8','2019-04-08 00:00:00.000',800.00,'Debit Card'),
```

```
('P25','S10','2019-04-08 00:00:00.000',800.00,'Debit Card'),
('P26','S14','2019-04-09 00:00:00.000',800.00,'Debit Card'),
('P27','S16','2019-04-10 00:00:00.000',800.00,'Debit Card'),
('P28','S17','2019-04-12 00:00:00.000',1000.00,'Credit Card'),
('P29','S21','2019-04-13 00:00:00.000',1000.00,'Debit Card'),
('P30','S22','2019-04-13 00:00:00.000',2000.00,'Debit Card'),
('P31','S24','2019-04-12 00:00:00.000',3000.00,'Credit Card'),
('P32','S26','2019-04-14 00:00:00.000',500.00,'Debit Card'),
('P33','S27','2019-04-11 00:00:00.000',1500.00,'Debit Card'),
('P34','S30','2019-04-10 00:00:00.000',500.00,'Credit Card'),
('P35','S31','2019-04-10 00:00:00.000',500.00,'Debit Card');
SELECT*FROM Payment
```

```
INSERT INTO Payment (Payment_Id, Student_Id, Payment_Date,Payment_Amount,Payment_Method)
VALUES
('P1','S1','2018-06-07 00:00:00.000',500.00,'Cash'),
('P2','S2','2018-12-24 00:00:00.000',1000.00,'Credit Card'),
('P3','S5','2018-11-07 00:00:00.000',800.00,'Debit Card'),
('P4','S6','2018-10-11 00:00:00.000',100.00,'Debit Card'),
('P5','S9','2018-12-20 00:00:00.000',1000.00,'Credit Card'),
('P6','S11','2018-10-10 00:00:00.000',100.00,'Cash'),
('P7','S13','2019-02-20 00:00:00.000',500.00,'E-Check'),
('P8','S15','2018-12-21 00:00:00.000',1500.00,'Credit Card'),
('P9','S18','2018-12-19 00:00:00.000',2000.00,'Credit Card'),
('P10','S9','2018-11-09 00:00:00.000',800.00,'E-Check'),
('P11','S11','2018-10-07 00:00:00.000',100.00,'Cash'),
('P12','S12','2019-01-05 00:00:00.000',1000.00,'Credit Card'),
('P13','S15','2018-11-07 00:00:00.000',800.00,'Debit Card'),
('P14','S16','2018-10-10 00:00:00.000',100.00,'Debit Card'),
('P15','S19','2019-01-02 00:00:00.000',1000.00,'Credit Card'),
('P16','S20','2019-01-16 00:00:00.000',500.00,'Cash'),
('P17','S23','2018-11-08 00:00:00.000',800.00,'E-Check'),
('P18','S25','2019-01-05 00:00:00.000',1500.00,'Credit Card'),
('P19','S28','2019-03-15 00:00:00.000',1800.00,'Credit Card'),
```

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Results | Messages

	Payment_Id	Student...	Payment_Date	Payment_Amo...	Payment_Meth...
1	P1	S1	2018-06-07 00:00:00.000	500.00	Cash
2	P10	S9	2018-11-09 00:00:00.000	800.00	E-Check
3	P11	S11	2018-10-07 00:00:00.000	100.00	Cash
4	P12	S12	2019-01-05 00:00:00.000	1000.00	Credit Card
5	P13	S15	2018-11-07 00:00:00.000	800.00	Debit Card
6	P14	S16	2018-10-10 00:00:00.000	100.00	Debit Card
7	P15	S19	2019-01-02 00:00:00.000	1000.00	Credit Card
8	P16	S20	2019-01-16 00:00:00.000	500.00	Cash
9	P17	S23	2018-11-08 00:00:00.000	800.00	E-Check
10	P18	S25	2019-01-05 00:00:00.000	1500.00	Credit Card

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (75) IST659_M004_yxiao19

6. Service:

```
INSERT INTO Service
VALUES
('SER1','Resume Revision','Completed','P1','2018-06-07 00:00:00.000','2018-06-09
00:00:00.000','Career Coaching',500.00),
('SER2','SQL','Completed','P2','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project
Course',1000.00),
('SER3','Case Interview','Completed','P3','2018-11-10 00:00:00.000','2018-11-20
00:00:00.000','Skills Enhancement',800.00),
('SER4','Finance','Completed','P4','2018-10-12 00:00:00.000','2018-10-13
00:00:00.000','Industry Expertise Speech',100.00),
('SER5','SQL','Completed','P5','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project
Course',1000.00),
('SER6','Finance','Completed','P6','2018-10-12 00:00:00.000','2018-10-13
00:00:00.000','Industry Expertise Speech',100.00),
```

```
('SER7','Behavioral Mock Interview','Completed','P7','2019-02-21 00:00:00.000','2019-02-22
00:00:00.000','Career Coaching',500.00),
('SER8','SQL','Completed','P8','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project
Course',1000.00),
('SER9','Resume Revision','Completed','P8','2019-01-03 00:00:00.000','2019-01-04
00:00:00.000','Career Coaching',500.00),
('SER10','SQL','Completed','P9','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project
Course',1000.00),
('SER11','Resume Revision','Completed','P9','2019-01-04 00:00:00.000','2019-01-05
00:00:00.000','Career Coaching',500.00),
('SER12','Technical Interview Prep','Completed','P9','2019-01-06 00:00:00.000','2019-01-07
00:00:00.000','Career Coaching',500.00),
('SER13','Case Interview','Completed','P10','2018-11-10 00:00:00.000','2018-11-20
00:00:00.000','Skills Enhancement',800.00),
('SER14','Finance','Completed','P11','2018-10-12 00:00:00.000','2018-10-13
00:00:00.000','Industry Expertise Speech',100.00),
('SER15','Python for Finance','Completed','P12','2019-01-07 00:00:00.000','2019-01-20
00:00:00.000','Project Course',1000.00),
('SER16','Case Interview','Completed','P13','2018-11-10 00:00:00.000','2018-11-20
00:00:00.000','Skills Enhancement',800.00),
('SER17','Finance','Completed','P14','2018-10-12 00:00:00.000','2018-10-13
00:00:00.000','Industry Expertise Speech',100.00),
('SER18','Python for Finance','Completed','P15','2019-01-07 00:00:00.000','2019-01-20
00:00:00.000','Project Course',1000.00),
('SER19','Cover Letter Review','Completed','P16','2019-01-17 00:00:00.000','2019-01-18
00:00:00.000','Career Coaching',500.00),
('SER20','Case Interview','Completed','P17','2018-11-10 00:00:00.000','2018-11-20
00:00:00.000','Skills Enhancement',800.00),
('SER21','Python for Finance','Completed','P18','2019-01-07 00:00:00.000','2019-01-20
00:00:00.000','Project Course',1000.00),
('SER22','Resume Revision','Completed','P18','2019-01-21 00:00:00.000','2019-01-22
00:00:00.000','Career Coaching',500.00),
('SER23','Job Search Plan','Completed','P19','2019-03-20 00:00:00.000','2019-03-21
00:00:00.000','Career Coaching',500.00),
('SER24','Networking Techniques','Completed','P19','2019-03-24 00:00:00.000','2019-03-25
00:00:00.000','Career Coaching',500.00);
INSERT INTO Service
(Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Type,Service_P
rice)
VALUES
('SER25','Advanced Excel','In Progress','P19','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER26','Advanced Excel','In Progress','P20','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER27','Advanced Excel','In Progress','P21','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER53','Advanced Excel','In Progress','P22','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER28','Advanced Excel','In Progress','P23','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER29','Advanced Excel','In Progress','P24','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER30','Advanced Excel','In Progress','P25','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
('SER31','Advanced Excel','In Progress','P26','2019-04-10 00:00:00.000','Skills
Enhancement',800.00),
```

```
('SER32','Advanced Excel','In Progress','P27','2019-04-10 00:00:00.000','Skills
Enhancement',800.00);
INSERT INTO Service
(Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Type,Service_Price)
VALUES
('SER33','Resume Revision','Not Started','P28','Career Coaching',800.00),
('SER34','Cover Letter Review','Not Started','P28','Career Coaching',500.00),
('SER35','Cover Letter Review','Not Started','P29','Career Coaching',500.00),
('SER36','Resume Revision','Not Started','P29','Career Coaching',500.00),
('SER37','Resume Revision','Not Started','P30','Career Coaching',500.00),
('SER38','Cover Letter Review','Not Started','P30','Career Coaching',500.00),
('SER39','LinkedIn Profile Edit','Not Started','P30','Career Coaching',500.00),
('SER40','Networking Techniques','Not Started','P30','Career Coaching',500.00),
('SER41','Resume Revision','Not Started','P31','Career Coaching',500.00),
('SER42','Cover Letter Review','Not Started','P31','Career Coaching',500.00),
('SER43','Networking Techniques','Not Started','P31','Career Coaching',500.00),
('SER44','Behavioral Interview Prep','Not Started','P31','Career Coaching',500.00),
('SER45','Behavioral Mock Interview','Not Started','P31','Career Coaching',500.00),
('SER46','Technical Interview Prep','Not Started','P31','Career Coaching',500.00),
('SER47','Technical Interview Prep','Not Started','P32','Career Coaching',500.00),
('SER48','Technical Interview Prep','Not Started','P33','Career Coaching',500.00),
('SER49','Behavioral Interview Prep','Not Started','P33','Career Coaching',500.00),
('SER50','Job Search Plan ','Not Started','P33','Career Coaching',500.00),
('SER51','Technical Mock Interview ','Not Started','P34','Career Coaching',500.00),
('SER52','Technical Mock Interview ','Not Started','P35','Career Coaching',500.00);
SELECT*FROM Service
```

```
INSERT INTO Service
VALUES
('SER1','Resume Revision','Completed','P1','2018-06-07 00:00:00.000','2018-06-09 00:00:00.000','Career Coaching',500.00),
('SER2','SQL','Completed','P2','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project Course',1000.00),
('SER3','Case Interview','Completed','P3','2018-11-10 00:00:00.000','2018-11-20 00:00:00.000','Skills Enhancement',800.00),
('SER4','Finance','Completed','P4','2018-10-12 00:00:00.000','2018-10-13 00:00:00.000','Industry Expertise Speech',100.00),
('SER5','SQL','Completed','P5','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project Course',1000.00),
('SER6','Finance','Completed','P6','2018-10-12 00:00:00.000','2018-10-13 00:00:00.000','Industry Expertise Speech',100.00),
('SER7','Behavioral Mock Interview','Completed','P7','2019-02-21 00:00:00.000','2019-02-22 00:00:00.000','Career Coaching',500.00),
('SER8','SQL','Completed','P8','2018-12-24 00:00:00.000','2019-01-02 00:00:00.000','Project Course',1000.00),
('SER9','Resume Revision','Completed','P8','2019-01-03 00:00:00.000','2019-01-04 00:00:00.000','Career Coaching',500.00),
```

100 %

Results | Messages

	Service_...	Service_Name	Service_Progre...	Payment_...	Service_Startdate	Service_Enddate	Service_Type	Service_Price
1	SER1	Resume Revision	Completed	P1	2018-06-07 00:00:00.000	2018-06-09 00:00:00.000	Career Coaching	500.00
2	SER10	SQL	Completed	P9	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	1000.00
3	SER11	Resume Revision	Completed	P9	2019-01-04 00:00:00.000	2019-01-05 00:00:00.000	Career Coaching	500.00
4	SER12	Technical Interview Prep	Completed	P9	2019-01-06 00:00:00.000	2019-01-07 00:00:00.000	Career Coaching	500.00
5	SER13	Case Interview	Completed	P10	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	800.00
6	SER14	Finance	Completed	P11	2018-10-12 00:00:00.000	2018-10-13 00:00:00.000	Industry Expertise Speech	100.00
7	SER15	Python for Finance	Completed	P12	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	1000.00
8	SER16	Case Interview	Completed	P13	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	800.00
9	SER17	Finance	Completed	P14	2018-10-12 00:00:00.000	2018-10-13 00:00:00.000	Industry Expertise Speech	100.00
10	SER18	Python for Finance	Completed	P15	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	1000.00
11	SER19	Cover Letter Review	Completed	P16	2019-01-17 00:00:00.000	2019-01-18 00:00:00.000	Career Coaching	500.00
12	SER2	SQL	Completed	P2	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	1000.00
13	SER20	Case Interview	Completed	P17	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	800.00
14	SER21	Python for Finance	Completed	P18	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	1000.00
15	SER22	Resume Revision	Completed	P18	2019-01-21 00:00:00.000	2019-01-22 00:00:00.000	Career Coaching	500.00
16	SER23	Job Search Plan	Completed	P19	2019-03-20 00:00:00.000	2019-03-21 00:00:00.000	Career Coaching	500.00
17	SER24	Networking Techniques	Completed	P19	2019-03-24 00:00:00.000	2019-03-25 00:00:00.000	Career Coaching	500.00
18	SER25	Advanced Excel	In Progress	P19	2019-04-10 00:00:00.000	NULL	Skills Enhancement	800.00
19	SER26	Advanced Excel	In Progress	P20	2019-04-10 00:00:00.000	NULL	Skills Enhancement	800.00
20	SER27	Advanced Excel	In Progress	P21	2019-04-10 00:00:00.000	NULL	Skills Enhancement	800.00
21	SER28	Advanced Excel	In Progress	P23	2019-04-10 00:00:00.000	NULL	Skills Enhancement	800.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19

7. Service_Type_Career_Coaching:

```sql
INSERT INTO Service_Type_Career_Coaching
VALUES
('SER1','I2'),
('SER7','I3'),
('SER9','I4'),
('SER11','I5'),
('SER12','I1'),
('SER19','I1'),
('SER22','I6'),
('SER23','I7'),
('SER24','I8'),
('SER33','I1'),
('SER34','I3'),
('SER35','I5'),
('SER36','I8'),
('SER37','I2'),
('SER38','I1'),
('SER39','I6'),
('SER40','I4'),
('SER41','I6'),
('SER42','I8'),
('SER43','I1'),
('SER44','I3'),
('SER45','I5'),
('SER46','I2'),
('SER47','I4'),
('SER48','I2'),
('SER49','I8'),
('SER50','I8'),
('SER51','I7'),
('SER52','I6');
SELECT*FROM Service_Type_Career_Coaching
```

```sql
INSERT INTO Service_Type_Career_Coaching
VALUES
('SER1','I2'),
('SER7','I3'),
('SER9','I4'),
('SER11','I5'),
('SER12','I1'),
('SER19','I1'),
('SER22','I6'),
('SER23','I7'),
('SER24','I8'),
('SER33','I1'),
('SER34','I3'),
('SER35','I5'),
('SER36','I8'),
('SER37','I2'),
('SER38','I1'),
('SER39','I6'),
('SER40','I4'),
('SER41','I6'),
```

100 %

Results | Messages

	Service_Id	Instructor_Id
1	SER1	I2
2	SER11	I5
3	SER12	I1
4	SER19	I1
5	SER22	I6
6	SER23	I7
7	SER24	I8
8	SER33	I1
9	SER34	I3
10	SER35	I5

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (75) IST659_M004_yxiao19

8. Service_Type_Skills_Enhancement:

```sql
INSERT INTO Service_Type_Skills_Enhancement
VALUES
('SER3','I4','T3'),
('SER13','I4','T3'),
('SER16','I4','T3'),
('SER20','I4','T3'),
('SER25','I2','T4'),
('SER26','I2','T4'),
('SER27','I2','T4'),
('SER28','I2','T4'),
('SER29','I2','T4'),
('SER30','I2','T4'),
('SER31','I2','T4'),
('SER32','I2','T4'),
('SER53','I2','T4');
SELECT*FROM Service_Type_Skills_Enhancement
```

```
INSERT INTO Service_Type_Skills_Enhancement
VALUES
('SER3','I4','T3'),
('SER13','I4','T3'),
('SER16','I4','T3'),
('SER20','I4','T3'),
('SER25','I2','T4'),
('SER26','I2','T4'),
('SER27','I2','T4'),
('SER28','I2','T4'),
('SER29','I2','T4'),
('SER30','I2','T4'),
('SER31','I2','T4'),
('SER32','I2','T4'),
('SER53','I2','T4');
SELECT*FROM Service_Type_Skills_Enhancement
```

100 %

Results | Messages

	Service_...	Instructor_Id	TA...
1	SER13	I4	T3
2	SER16	I4	T3
3	SER20	I4	T3
4	SER25	I2	T4
5	SER26	I2	T4
6	SER27	I2	T4
7	SER28	I2	T4
8	SER29	I2	T4
9	SER3	I4	T3
10	SER30	I2	T4
11	SER31	I2	T4
12	SER32	I2	T4
13	SER53	I2	T4

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (75) IST659_M004_yxiao19

9. Service_Type_Project_Course:

```
INSERT INTO Service_Type_Project_Course
VALUES
('SER2','T2'),
('SER5','T2'),
('SER8','T2'),
('SER10','T2'),
('SER15','T1'),
('SER18','T1'),
('SER21','T1')
SELECT*FROM Service_Type_Project_Course
```

```sql
INSERT INTO Service_Type_Project_Course
VALUES
('SER2','T2'),
('SER5','T2'),
('SER8','T2'),
('SER10','T2'),
('SER15','T1'),
('SER18','T1'),
('SER21','T1')
SELECT*FROM Service_Type_Project_Course
```

100 %

Results | Messages

	Service_...	TA...
1	SER10	T2
2	SER15	T1
3	SER18	T1
4	SER2	T2
5	SER21	T1
6	SER5	T2
7	SER8	T2

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (75) IST659_M004_yxiao19

10. Project_Instructor:

```sql
INSERT INTO Project_Instructor
VALUES
('SER2','I1'),
('SER5','I1'),
('SER8','I1'),
('SER10','I1'),
('SER15','I1'),
('SER18','I1'),
('SER21','I1'),
('SER2','I6'),
('SER5','I6'),
('SER8','I6'),
('SER10','I6'),
('SER15','I3'),
('SER18','I3'),
('SER21','I3');
SELECT*FROM Project_Instructor
```

```sql
INSERT INTO Project_Instructor
VALUES
('SER2','I1'),
('SER5','I1'),
('SER8','I1'),
('SER10','I1'),
('SER15','I1'),
('SER18','I1'),
('SER21','I1'),
('SER2','I6'),
('SER5','I6'),
('SER8','I6'),
('SER10','I6'),
('SER15','I3'),
('SER18','I3'),
('SER21','I3');
SELECT*FROM Project_Instructor
```

100 %

Results | Messages

	Service_...	Instructor_Id
1	SER10	I1
2	SER10	I6
3	SER15	I1
4	SER15	I3
5	SER18	I1
6	SER18	I3
7	SER2	I1
8	SER2	I6
9	SER21	I1
10	SER21	I3
11	SER5	I1
12	SER5	I6
13	SER8	I1
14	SER8	I6

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (75) IST659_M004_yxiao19

11. Service_Type_Industry_Expertise_Speech:

```sql
INSERT INTO Service_Type_Industry_Expertise_Speech
VALUES
('SER4','I3','T4'),
('SER6','I3','T4'),
('SER14','I3','T4'),
('SER17','I3','T4');
SELECT*FROM Service_Type_Industry_Expertise_Speech
```

```sql
INSERT INTO Service_Type_Industry_Expertise_Speech
VALUES
('SER4','I3','T4'),
('SER6','I3','T4'),
('SER14','I3','T4'),
('SER17','I3','T4');
SELECT*FROM Service_Type_Industry_Expertise_Speech
```

100 %

Results | Messages

	Service_...	Instructor_Id	TA...
1	SER14	I3	T4
2	SER17	I3	T4
3	SER4	I3	T4
4	SER6	I3	T4

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (75) IST659_M004_yxiao19

12. Student_Service_Registration:

```
INSERT INTO Student_Service_Registration
VALUES
('S1','SER1','C2'),
('S2','SER2','C1'),
('S3','SER27','C5'),
('S4','SER53','C3'),
('S5','SER3','C4'),
('S6','SER4','C2'),
('S7','SER28','C1'),
('S8','SER29','C2'),
('S9','SER5','C3'),
('S9','SER13','C3'),
('S10','SER30','C3'),
('S11','SER6','C1'),
('S11','SER14','C1'),
('S12','SER15','C4'),
('S13','SER7','C2'),
('S14','SER31','C3'),
('S15','SER8','C1'),
('S15','SER9','C1'),
('S15','SER16','C1'),
('S16','SER17','C1'),
('S16','SER32','C1'),
('S17','SER33','C5'),
('S17','SER34','C5'),
('S18','SER10','C3'),
('S18','SER11','C3'),
('S18','SER12','C3'),
('S19','SER18','C4'),
('S20','SER19','C2'),
('S21','SER35','C1'),
('S21','SER36','C1'),
('S22','SER37','C2'),
('S22','SER38','C2'),
('S22','SER39','C2'),
('S22','SER40','C2'),
('S23','SER20','C3'),
('S24','SER41','C2'),
('S24','SER42','C2'),
('S24','SER43','C2'),
('S24','SER44','C2'),
('S24','SER45','C2'),
('S24','SER46','C2'),
('S25','SER21','C1'),
('S25','SER22','C1'),
('S26','SER47','C4'),
('S27','SER48','C5'),
('S27','SER49','C5'),
('S27','SER50','C5'),
('S28','SER23','C1'),
('S28','SER24','C1'),
('S28','SER25','C1'),
('S29','SER26','C2'),
('S30','SER51','C3'),
```

```
('S31','SER52','C4');
SELECT*FROM Student_Service_Registration
```

```
INSERT INTO Student_Service_Registration
VALUES
('S1','SER1','C2'),
('S2','SER2','C1'),
('S3','SER27','C5'),
('S4','SER53','C3'),
('S5','SER3','C4'),
('S6','SER4','C2'),
('S7','SER28','C1'),
('S8','SER29','C2'),
```

100 %

Results | Messages

	Student_Id	Service_Id	Consultant_Id
1	S1	SER1	C2
2	S10	SER30	C3
3	S11	SER14	C1
4	S11	SER6	C1
5	S12	SER15	C4
6	S13	SER7	C2
7	S14	SER31	C3
8	S15	SER16	C1
9	S15	SER8	C1
10	S15	SER9	C1
11	S16	SER17	C1
12	S16	SER32	C1
13	S17	SER33	C5
14	S17	SER34	C5
15	S18	SER10	C3
16	S18	SER11	C3
17	S18	SER12	C3
18	S19	SER18	C4
19	S2	SER2	C1
20	S20	SER19	C2
21	S21	SER35	C1
22	S21	SER36	C1

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19

Supertype-Subtype Tables

1. Create a Table that shows the supertype-subtype of "Service":

A. Service_Career_Coaching:

```
SELECT
ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Ser
vice_Type,cc.Instructor_Id,Service_Price
INTO Service_Career_Coaching
FROM Service ser
FULL JOIN Service_Type_Career_Coaching cc
ON ser.Service_Id=cc.Service_Id
WHERE ser.Service_Type='Career Coaching';
SELECT*FROM Service_Career_Coaching
```

```
SELECT ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Service_Type,cc.Instructor_Id,Service_Price
INTO Service_Career_Coaching
FROM Service ser
FULL JOIN Service_Type_Career_Coaching cc
ON ser.Service_Id=cc.Service_Id
WHERE ser.Service_Type='Career Coaching';
SELECT*FROM Service_Career_Coaching
```

100 %

Results | Messages

	Service_...	Service_Name	Service_Progre...	Payment_...	Service_Startdate	Service_Enddate	Service_Type	Instructor_Id	Service_Price
1	SER1	Resume Revision	Completed	P1	2018-06-07 00:00:00.000	2018-06-09 00:00:00.000	Career Coaching	I2	500.00
2	SER11	Resume Revision	Completed	P9	2019-01-04 00:00:00.000	2019-01-05 00:00:00.000	Career Coaching	I5	500.00
3	SER12	Technical Interview Prep	Completed	P9	2019-01-06 00:00:00.000	2019-01-07 00:00:00.000	Career Coaching	I1	500.00
4	SER19	Cover Letter Review	Completed	P16	2019-01-17 00:00:00.000	2019-01-18 00:00:00.000	Career Coaching	I1	500.00
5	SER22	Resume Revision	Completed	P18	2019-01-21 00:00:00.000	2019-01-22 00:00:00.000	Career Coaching	I6	500.00
6	SER23	Job Search Plan	Completed	P19	2019-03-20 00:00:00.000	2019-03-21 00:00:00.000	Career Coaching	I7	500.00
7	SER24	Networking Techniques	Completed	P19	2019-03-24 00:00:00.000	2019-03-25 00:00:00.000	Career Coaching	I8	500.00
8	SER33	Resume Revision	Not Started	P28	NULL	NULL	Career Coaching	I1	500.00
9	SER34	Cover Letter Review	Not Started	P28	NULL	NULL	Career Coaching	I3	500.00
10	SER35	Cover Letter Review	Not Started	P29	NULL	NULL	Career Coaching	I5	500.00
11	SER36	Resume Revision	Not Started	P29	NULL	NULL	Career Coaching	I8	500.00
12	SER37	Resume Revision	Not Started	P30	NULL	NULL	Career Coaching	I2	500.00
13	SER38	Cover Letter Review	Not Started	P30	NULL	NULL	Career Coaching	I1	500.00
14	SER39	LinkedIn Profile Edit	Not Started	P30	NULL	NULL	Career Coaching	I6	500.00
15	SER40	Networking Techniques	Not Started	P30	NULL	NULL	Career Coaching	I4	500.00
16	SER41	Resume Revision	Not Started	P31	NULL	NULL	Career Coaching	I6	500.00
17	SER42	Cover Letter Review	Not Started	P31	NULL	NULL	Career Coaching	I8	500.00
18	SER43	Networking Techniques	Not Started	P31	NULL	NULL	Career Coaching	I1	500.00
19	SER44	Behavioral Interview Pr...	Not Started	P31	NULL	NULL	Career Coaching	I3	500.00
20	SER45	Behavioral Mock Interv...	Not Started	P31	NULL	NULL	Career Coaching	I5	500.00
21	SER46	Technical Interview Prep	Not Started	P31	NULL	NULL	Career Coaching	I2	500.00
22	SER47	Technical Interview Prep	Not Started	P32	NULL	NULL	Career Coaching	I4	500.00
23	SER48	Technical Interview Prep	Not Started	P33	NULL	NULL	Career Coaching	I2	500.00
24	SER49	Behavioral Interview Pr...	Not Started	P33	NULL	NULL	Career Coaching	I8	500.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (105) | IST659_M004_yxiao19 | 00:00:00 | 29 row

B. Service_Skills_Enhancement:

```
SELECT
ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Ser
vice_Type,se.Instructor_Id,se.TA_Id,Service_Price
INTO Service_Skills_Enhancement
FROM Service ser
FULL JOIN Service_Type_Skills_Enhancement se
ON ser.Service_Id=se.Service_Id
WHERE ser.Service_Type='Skills Enhancement';
SELECT*FROM Service_Skills_Enhancement
```

```
SELECT ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Service_Type,se.Instructor_Id,se.TA_Id,Servic
INTO Service_Skills_Enhancement
FROM Service ser
FULL JOIN Service_Type_Skills_Enhancement se
ON ser.Service_Id=se.Service_Id
WHERE ser.Service_Type='Skills Enhancement';
SELECT*FROM Service_Skills_Enhancement
```

100 %

Results | Messages

	Service_...	Service_Name	Service_Progre...	Payment_...	Service_Startdate	Service_Enddate	Service_Type	Instructor_Id	TA...	Service_Price
1	SER13	Case Interview	Completed	P10	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	I4	T3	800.00
2	SER16	Case Interview	Completed	P13	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	I4	T3	800.00
3	SER20	Case Interview	Completed	P17	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	I4	T3	800.00
4	SER25	Advanced Excel	In Progress	P19	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
5	SER26	Advanced Excel	In Progress	P20	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
6	SER27	Advanced Excel	In Progress	P21	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
7	SER28	Advanced Excel	In Progress	P23	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
8	SER29	Advanced Excel	In Progress	P24	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
9	SER3	Case Interview	Completed	P3	2018-11-10 00:00:00.000	2018-11-20 00:00:00.000	Skills Enhancement	I4	T3	800.00
10	SER30	Advanced Excel	In Progress	P25	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
11	SER31	Advanced Excel	In Progress	P26	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
12	SER32	Advanced Excel	In Progress	P27	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00
13	SER53	Advanced Excel	In Progress	P22	2019-04-10 00:00:00.000	NULL	Skills Enhancement	I2	T4	800.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (105) | IST659_M004_yxiao19 | 00:00:00 | 13 rows

C. Service_Project_Course:

```
SELECT
ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Ser
vice_Type,pin.Instructor_Id,pc.TA_Id,Service_Price
INTO Service_Project_Course
FROM Service ser
FULL JOIN Service_Type_Project_Course pc
ON ser.Service_Id=pc.Service_Id
FULL JOIN Project_Instructor pin
ON pc.Service_Id=pin.Service_Id
WHERE ser.Service_Type='Project Course'
SELECT*FROM Service_Project_Course
```

```
SELECT ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Service_Type,pin.Instructor_Id,pc.TA_Id,Servi
INTO Service_Project_Course
FROM Service ser
FULL JOIN Service_Type_Project_Course pc
ON ser.Service_Id=pc.Service_Id
FULL JOIN Project_Instructor pin
ON pc.Service_Id=pin.Service_Id
WHERE ser.Service_Type='Project Course'
SELECT*FROM Service_Project_Course
```

100 %

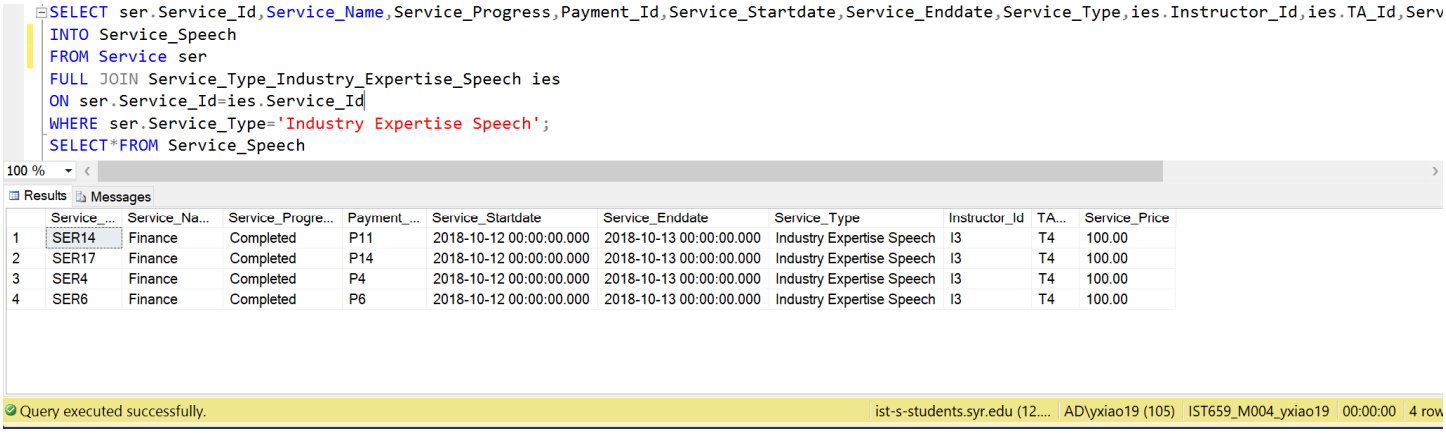
Results | Messages

	Service_...	Service_Name	Service_Progre...	Payment_...	Service_Startdate	Service_Enddate	Service_Type	Instructor_Id	TA...	Service_Price
1	SER10	SQL	Completed	P9	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I1	T2	1000.00
2	SER10	SQL	Completed	P9	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I6	T2	1000.00
3	SER15	Python for Finance	Completed	P12	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	I1	T1	1000.00
4	SER15	Python for Finance	Completed	P12	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	I3	T1	1000.00
5	SER18	Python for Finance	Completed	P15	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	I1	T1	1000.00
6	SER18	Python for Finance	Completed	P15	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	I3	T1	1000.00
7	SER2	SQL	Completed	P2	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I1	T2	1000.00
8	SER2	SQL	Completed	P2	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I6	T2	1000.00
9	SER21	Python for Finance	Completed	P18	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	I1	T1	1000.00
10	SER21	Python for Finance	Completed	P18	2019-01-07 00:00:00.000	2019-01-20 00:00:00.000	Project Course	I3	T1	1000.00
11	SER5	SQL	Completed	P5	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I1	T2	1000.00
12	SER5	SQL	Completed	P5	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I6	T2	1000.00
13	SER8	SQL	Completed	P8	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I1	T2	1000.00
14	SER8	SQL	Completed	P8	2018-12-24 00:00:00.000	2019-01-02 00:00:00.000	Project Course	I6	T2	1000.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (105) | IST659_M004_yxiao19 | 00:00:00 | 14 row

D. Service_Speech:

```sql
SELECT
ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Ser
vice_Type,ies.Instructor_Id,ies.TA_Id,Service_Price
INTO Service_Speech
FROM Service ser
FULL JOIN Service_Type_Industry_Expertise_Speech ies
ON ser.Service_Id=ies.Service_Id
WHERE ser.Service_Type='Industry Expertise Speech';
SELECT*FROM Service_Speech
```



```sql
SELECT ser.Service_Id,Service_Name,Service_Progress,Payment_Id,Service_Startdate,Service_Enddate,Service_Type,ies.Instructor_Id,ies.TA_Id,Serv
INTO Service_Speech
FROM Service ser
FULL JOIN Service_Type_Industry_Expertise_Speech ies
ON ser.Service_Id=ies.Service_Id
WHERE ser.Service_Type='Industry Expertise Speech';
SELECT*FROM Service_Speech
```

100 %

Results | Messages

	Service_...	Service_Na...	Service_Progre...	Payment_...	Service_Startdate	Service_Enddate	Service_Type	Instructor_Id	TA...	Service_Price
1	SER14	Finance	Completed	P11	2018-10-12 00:00:00.000	2018-10-13 00:00:00.000	Industry Expertise Speech	I3	T4	100.00
2	SER17	Finance	Completed	P14	2018-10-12 00:00:00.000	2018-10-13 00:00:00.000	Industry Expertise Speech	I3	T4	100.00
3	SER4	Finance	Completed	P4	2018-10-12 00:00:00.000	2018-10-13 00:00:00.000	Industry Expertise Speech	I3	T4	100.00
4	SER6	Finance	Completed	P6	2018-10-12 00:00:00.000	2018-10-13 00:00:00.000	Industry Expertise Speech	I3	T4	100.00

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (105) | IST659_M004_yxiao19 | 00:00:00 | 4 row

Answering Major Data Questions

1. What is the most popular service (based on service name)?

```
SELECT Service_Name,COUNT(ser.Service_Id)'Number of Students Taking/Took', Service_Type
FROM Service ser
JOIN Student_Service_Registration strg
ON ser.Service_Id=strg.Service_Id
GROUP BY Service_Name,Service_Type
ORDER BY COUNT(Service_Name) DESC
```

```
/*1.    What is the most popular service? */
SELECT Service_Name,COUNT(ser.Service_Id)'Number of Students Taking/Took', Service_Type
FROM Service ser
JOIN Student_Service_Registration strg
ON ser.Service_Id=strg.Service_Id
GROUP BY Service_Name,Service_Type
ORDER BY COUNT(Service_Name) DESC
```

100 %

Results | Messages

	Service_Name	Number of Students Taking/To...	Service_Type
1	Advanced Excel	9	Skills Enhancement
2	Resume Revision	8	Career Coaching
3	Cover Letter Review	5	Career Coaching
4	Technical Interview Prep	4	Career Coaching
5	Finance	4	Industry Expertise Speech
6	Case Interview	4	Skills Enhancement
7	SQL	4	Project Course
8	Networking Techniques	3	Career Coaching
9	Python for Finance	3	Project Course
10	Technical Mock Intervi...	2	Career Coaching
11	Job Search Plan	2	Career Coaching
12	Behavioral Interview Pr...	2	Career Coaching
13	Behavioral Mock Interv...	2	Career Coaching
14	LinkedIn Profile Edit	1	Career Coaching

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (75) | IST659_M004_yxiao19

The most popular service is "Advanced Excel" under "Skills Enhancement".

2. How much revenue has the company made?

```
SELECT SUM(Service_Price) 'Total Revenue' FROM Service
SELECT SUM(Payment_Amount) 'Total Revenue' FROM Payment
```

```sql
/*2. How much revenue has the company made?*/
SELECT SUM(Service_Price) 'Total Revenue' FROM Service
SELECT SUM(Payment_Amount) 'Total Revenue' FROM Payment
```

100 %

Results | Messages

	Total Revenue
1	32300.00

	Total Revenue
1	32300.00

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (63) IST659_M004_yxiao19

$32,300.00

3. How many students has each consultant had?

```sql
SELECT s.Consultant_Id,c.Consultant_Lname,c.Consultant_Fname,COUNT(Student_Id)'Number og Students'
FROM Student s
LEFT JOIN Consultant c
ON s.Consultant_Id=c.Consultant_Id
GROUP BY s.Consultant_Id,c.Consultant_Lname,c.Consultant_Fname
ORDER BY COUNT(Student_Id) DESC
```

```sql
/*3. How many students has each consultant had?*/
SELECT s.Consultant_Id,c.Consultant_Lname,c.Consultant_Fname,COUNT(Student_Id)'Number og Students'
FROM Student s
LEFT JOIN Consultant c
ON s.Consultant_Id=c.Consultant_Id
GROUP BY s.Consultant_Id,c.Consultant_Lname,c.Consultant_Fname
ORDER BY COUNT(Student_Id) DESC
```

100 %

Results | Messages

	Consultant_Id	Consultant_Lna...	Consultant_Fna...	Number og Students
1	C1	Zhong	Karen	8
2	C2	Fu	Reem	8
3	C3	Yan	Justice	7
4	C4	Tong	Thomas	5
5	C5	Yang	Zachary	3

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (63) IST659_M004_yxiao19

4. How many students has each service type had?

```sql
SELECT Service_Type,COUNT(ser.Service_Id)'Number of Students Taking/Took'
FROM Service ser
JOIN Student_Service_Registration strg
ON ser.Service_Id=strg.Service_Id
GROUP BY Service_Type
ORDER BY COUNT(ser.Service_Id) DESC
```

```sql
/*4.    How many students has each service type had?*/
SELECT Service_Type,COUNT(ser.Service_Id)'Number of Students Taking/Took'
FROM Service ser
JOIN Student_Service_Registration strg
ON ser.Service_Id=strg.Service_Id
GROUP BY Service_Type
ORDER BY COUNT(ser.Service_Id) DESC
```

100 %

Results | Messages

	Service_Type	Number of Students Taking/To...
1	Career Coaching	29
2	Skills Enhancement	13
3	Project Course	7
4	Industry Expertise Speech	4

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (63) IST659_M004_yxiao19

5. How many services has been completed?

```sql
SELECT COUNT(Service_Id)'Number of Completed Services'
FROM Service
WHERE Service_Progress='Completed'
```

```sql
SELECT COUNT(Service_Id)'Number of Completed Services'
FROM Service
WHERE Service_Progress='Completed'
```

100 %

Results | Messages

	Number of Completed Services
1	24

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (94) IST659_M004_yxiao19

6. How many services are in progress?

```sql
SELECT COUNT(Service_Id)'Number of Services In Progress'
FROM Service
WHERE Service_Progress='In Progress'
```

```sql
SELECT COUNT(Service_Id)'Number of Services In Progress'
FROM Service
WHERE Service_Progress='In Progress'
```

100 %

Results | Messages

	Number of Services In Progress
1	9

Query executed successfully. ist-s-students.syr.edu (12.... AD\yxiao19 (105) IST659_M004_yxiao19

7. How many services have not started yet?

```sql
SELECT COUNT(Service_Id)'Number of Services Not Started'
FROM Service
WHERE Service_Progress='Not Started'
```

```
SELECT COUNT(Service_Id)'Number of Services Not Started'
FROM Service
WHERE Service_Progress='Not Started'
```

100 %

Results | Messages

	Number of Services Not Started
1	20

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (105) | IST659_M004_yxiao19

8. How many Career Coaching Services have been assigned to each instructors?

```
SELECT i.Instructor_Id,Instructor_LName, Instructor_FName, COUNT(Service_Id)
FROM Instructor i
LEFT JOIN Service_Career_Coaching cc
ON i.Instructor_Id=cc.Instructor_Id
GROUP BY i.Instructor_Id,Instructor_LName, Instructor_Fname
```

```
SELECT i.Instructor_Id,Instructor_LName, Instructor_FName, COUNT(Service_Id)
FROM Instructor i
LEFT JOIN Service_Career_Coaching cc
ON i.Instructor_Id=cc.Instructor_Id
GROUP BY i.Instructor_Id,Instructor_LName, Instructor_FName
```

100 %

Results | Messages

	Instructor_Id	Instructor_LName	Instructor_FName	(No column name)
1	I1	Ai	Luke	5
2	I2	Nian	Arielle	4
3	I3	Da	Victor	3
4	I4	Ha	Emily	3
5	I5	Mo	Melissa	3
6	I6	Shang	Phoebe	4
7	I7	Bo	Ruth	2
8	I8	Nai	Lauren	5

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (70) | IST659_M004_yxiao19

9. How many students purchased more than one service? Who are the students and how many services did they purchase?

```
SELECT p.Student_Id,COUNT(ser.Service_Id)'Number of Services'
FROM Payment p
JOIN Service ser
ON p.Payment_Id=ser.Payment_Id
GROUP BY p.Student_Id
HAVING COUNT(ser.Payment_Id)>1
```

```sql
SELECT p.Student_Id,COUNT(ser.Service_Id)'Number of Services'
FROM Payment p
JOIN Service ser
ON p.Payment_Id=ser.Payment_Id
GROUP BY p.Student_Id
HAVING COUNT(ser.Payment_Id)>1
```

100 %

Results | Messages

	Student_Id	Number of Services
1	S11	2
2	S15	3
3	S16	2
4	S17	2
5	S18	3
6	S21	2
7	S22	4
8	S24	6
9	S25	2
10	S27	3
11	S28	3
12	S9	2

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (70) | IST659_M004_yxiao19

10. How any services have been payed in each payment method?

```sql
SELECT p.Payment_Method,COUNT(ser.Service_Id)'Number of Services'
FROM Payment p
LEFT JOIN Service ser
ON p.Payment_Id=ser.Payment_Id
GROUP BY p.Payment_Method
```

```sql
SELECT p.Payment_Method,COUNT(ser.Service_Id)'Number of Services'
FROM Payment p
LEFT JOIN Service ser
ON p.Payment_Id=ser.Payment_Id
GROUP BY p.Payment_Method
```

100 %

Results | Messages

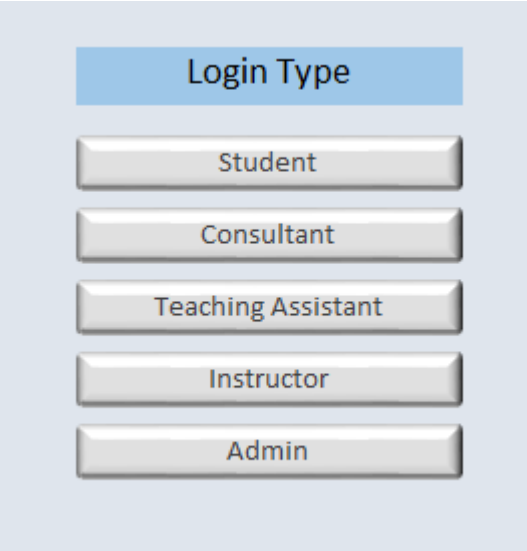
	Payment_Method	Number of Services
1	Cash	4
2	Credit Card	26
3	Debit Card	19
4	E-Check	4

Query executed successfully. | ist-s-students.syr.edu (12.... | AD\yxiao19 (70) | IST659_M004_yxiao19

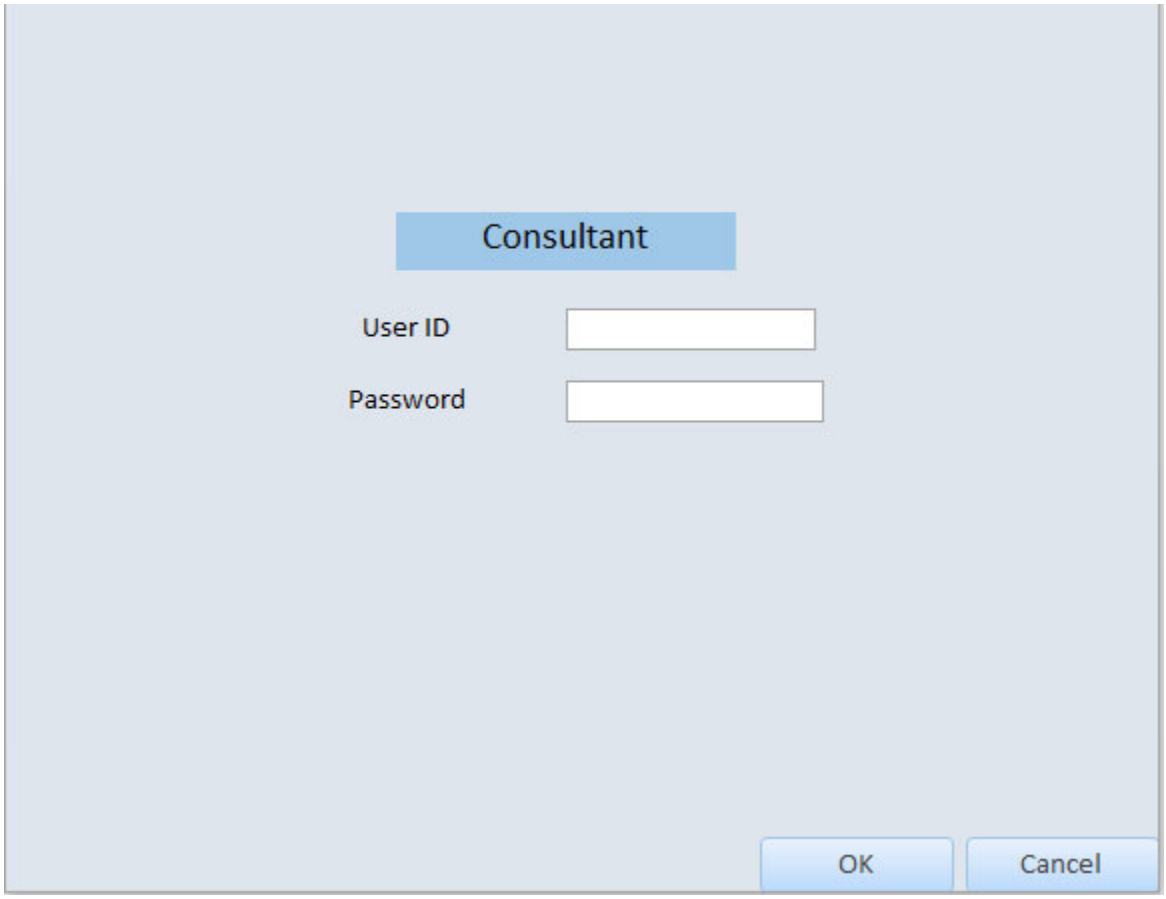
Interfaces

There are 5 types of login

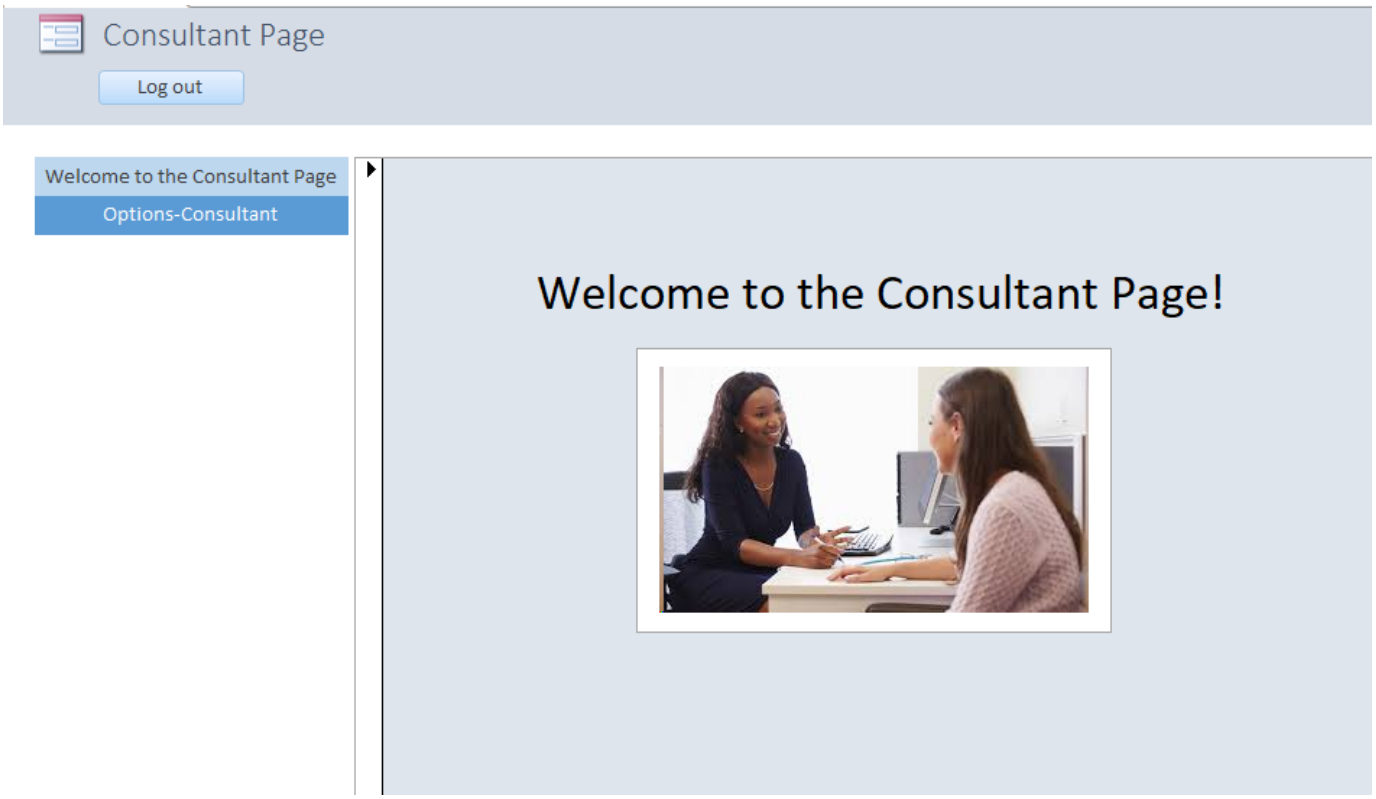
1) Consultant
2) Instructor
3) TA
4) Student
5) Admin

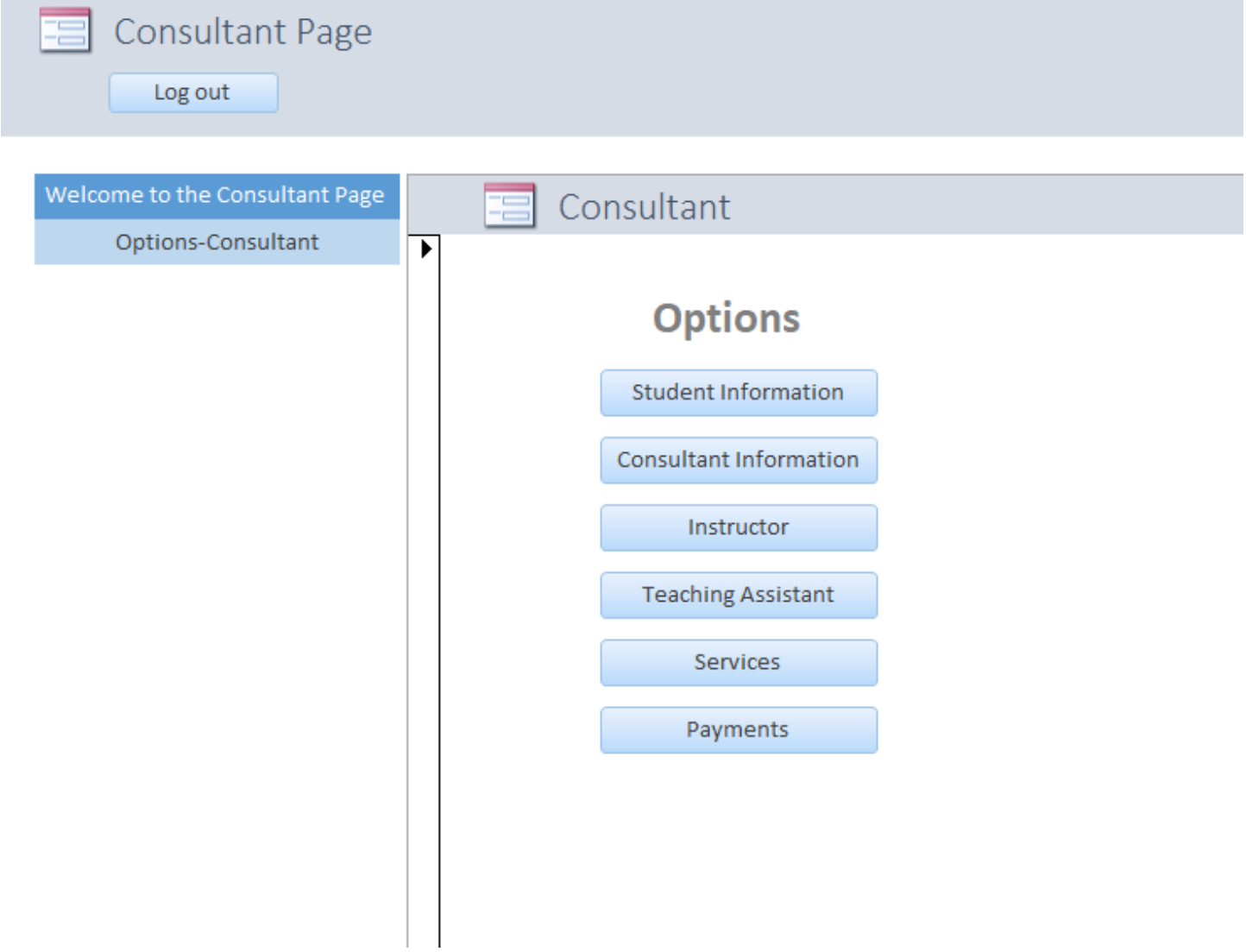


1. **Consultant Login**

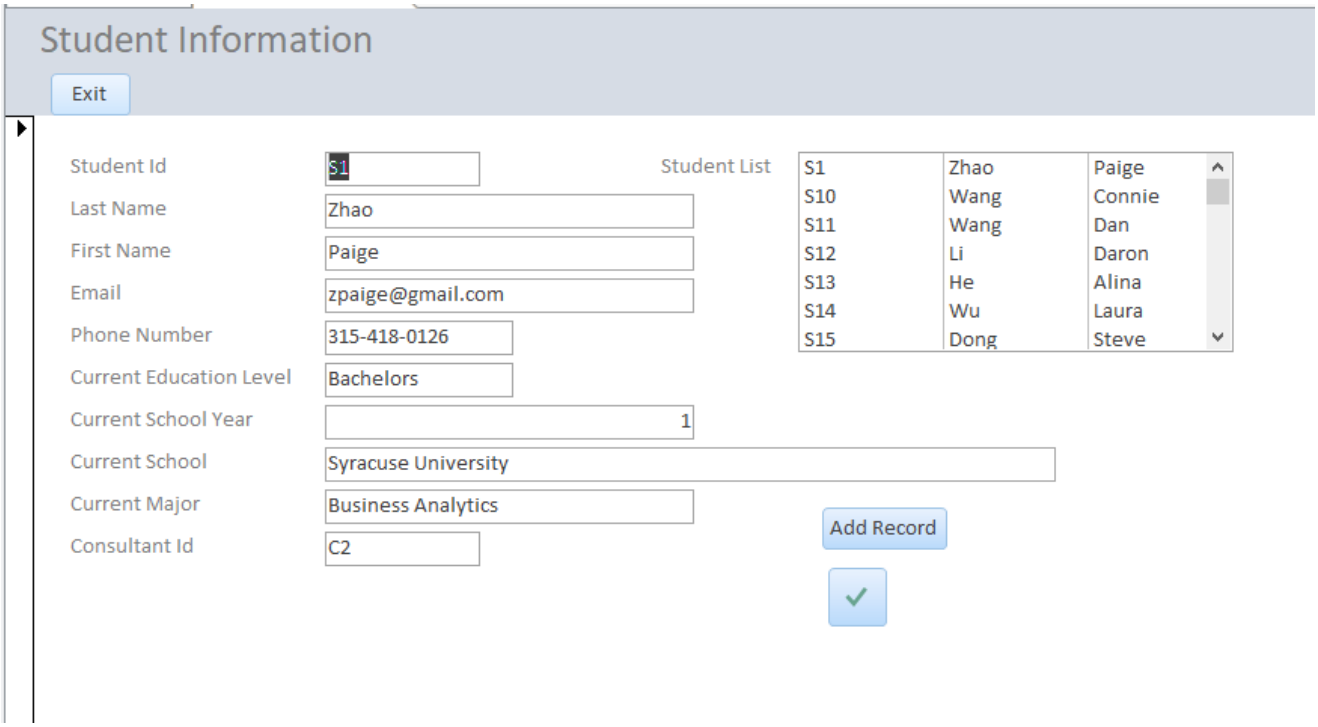


After Successful Login, a consultant will be directed to a page, where there are options to go to a “Welcome page” and a “Option page”.


Consultant Page
Log out
Welcome to the Consultant Page
Options-Consultant
Welcome to the Consultant Page!

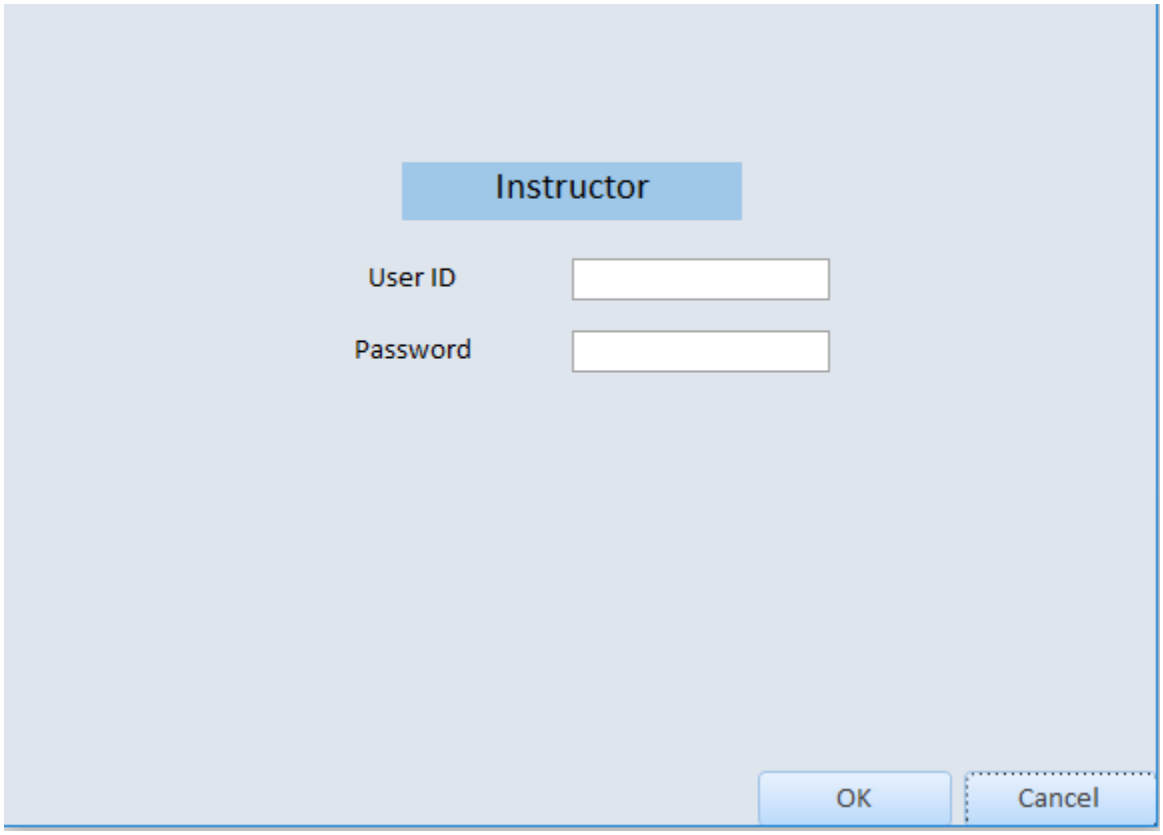


From the options, the consultant can view different types of information. For example, the student information:

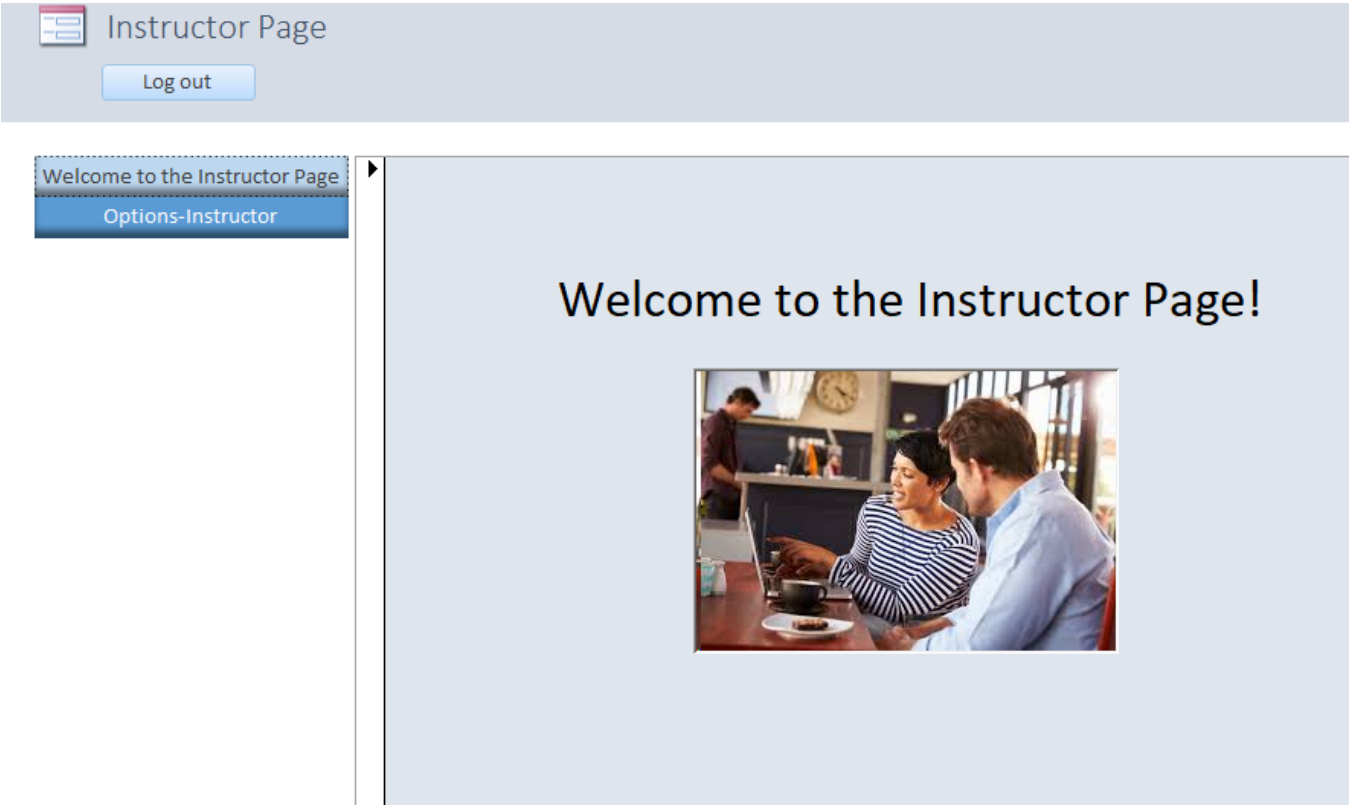


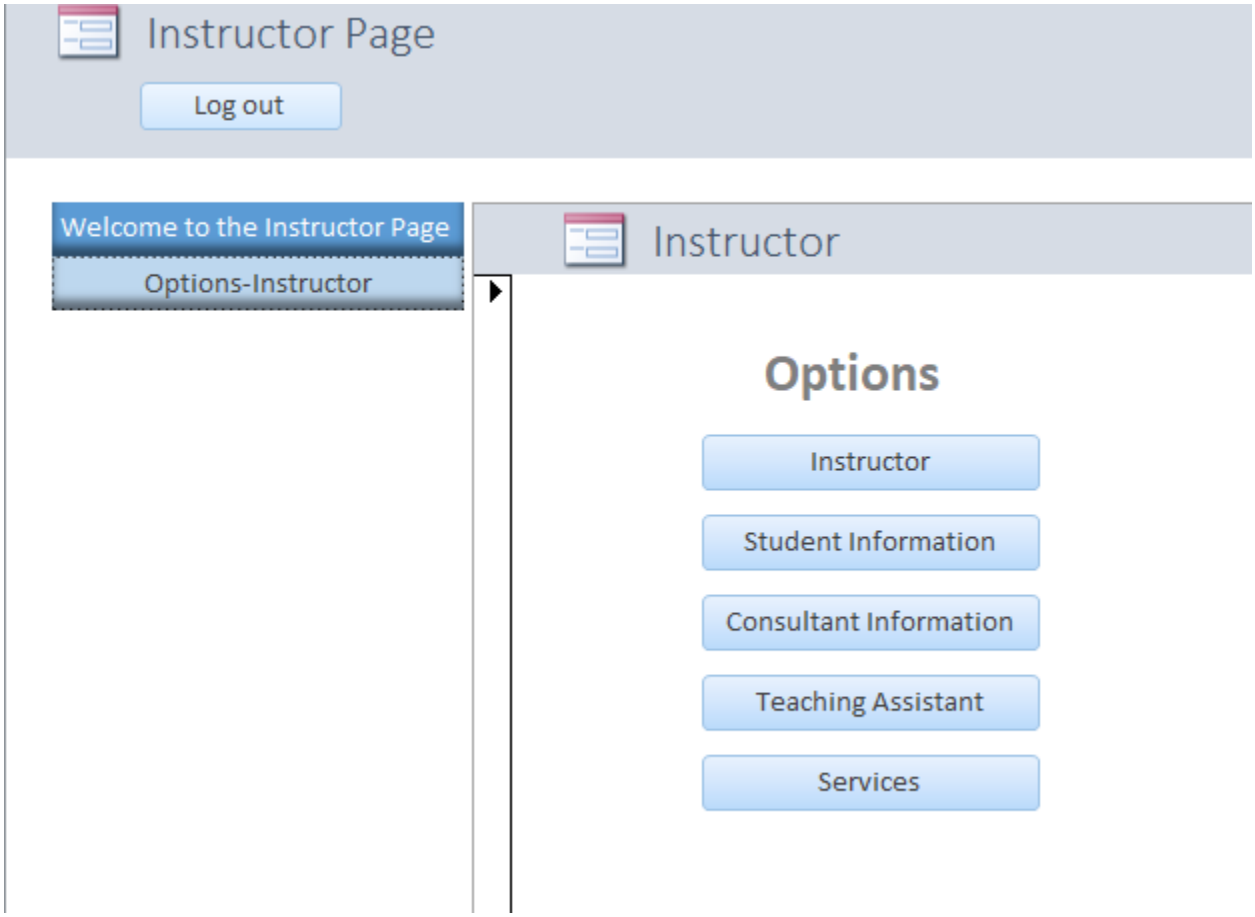
The consultant can add records in “Student information”, “Services”, and “Payments”. They can only view “Consultant information”, “Instructor”, and “Teaching Assistant”.

2. Instructor Login

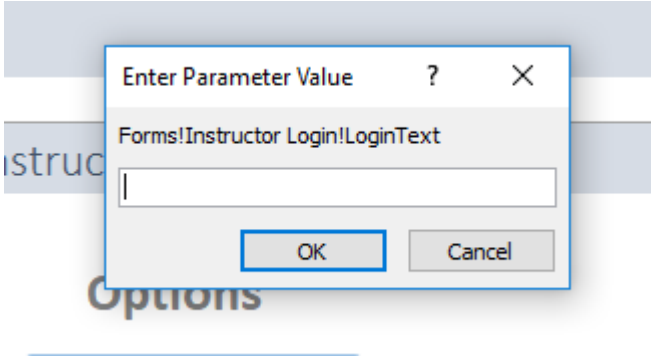


After Successful Login, an instructor will be directed to a page, where there are options to go to the “Welcome page” and “Option page”.

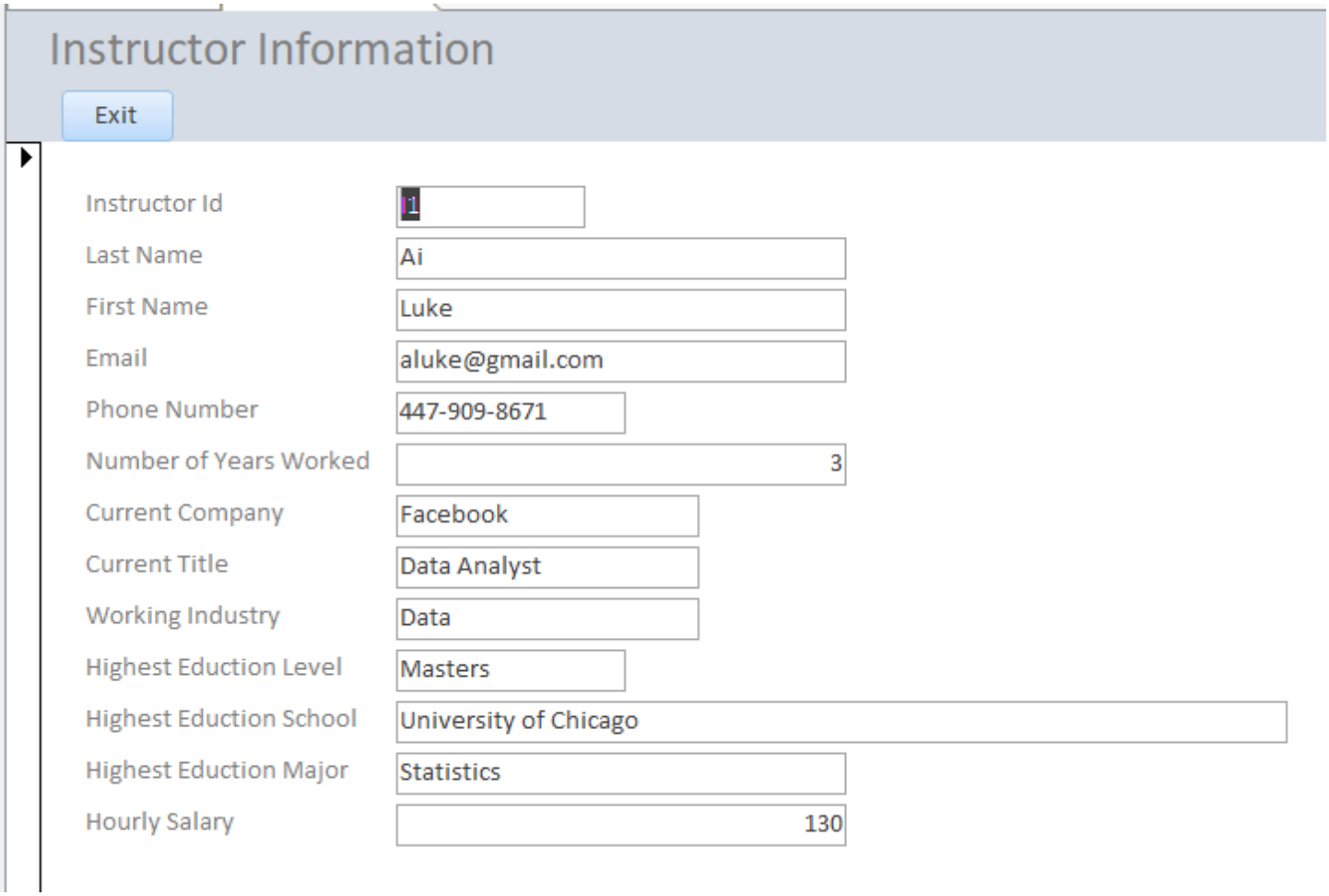




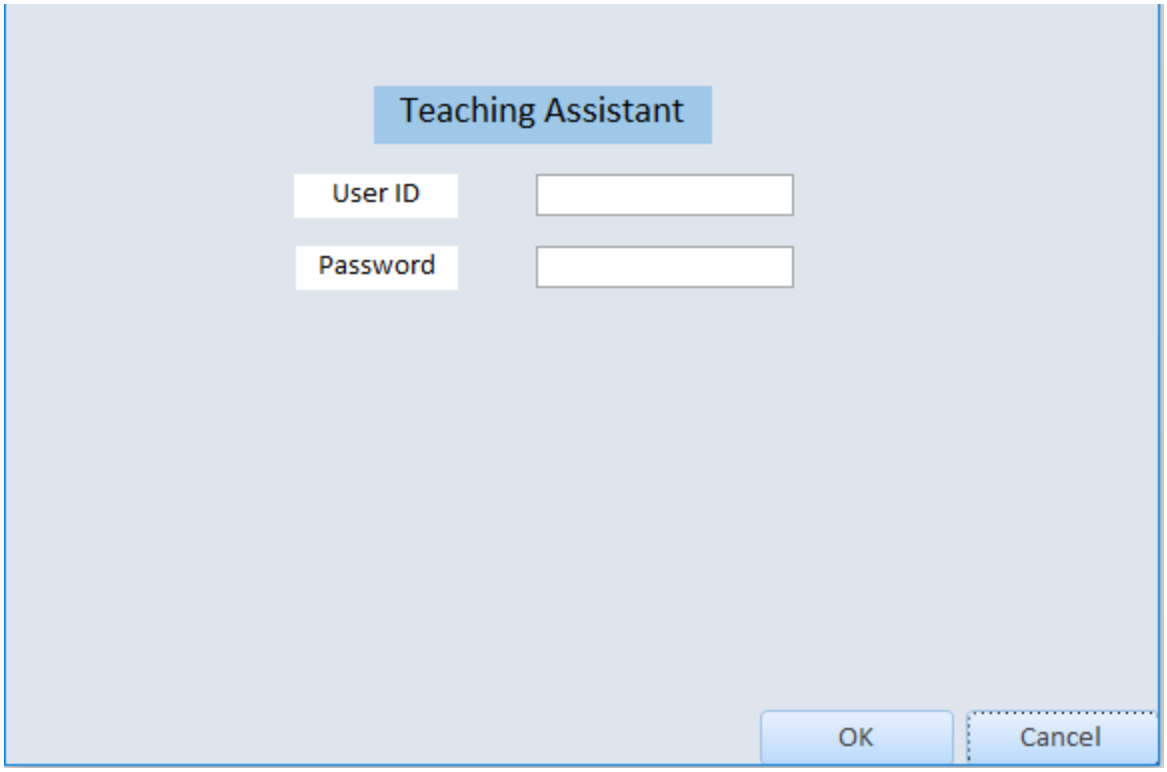
From the option page, the instructor can view all the options. If they want to view their own information (instructor), they need to specify their ID first:



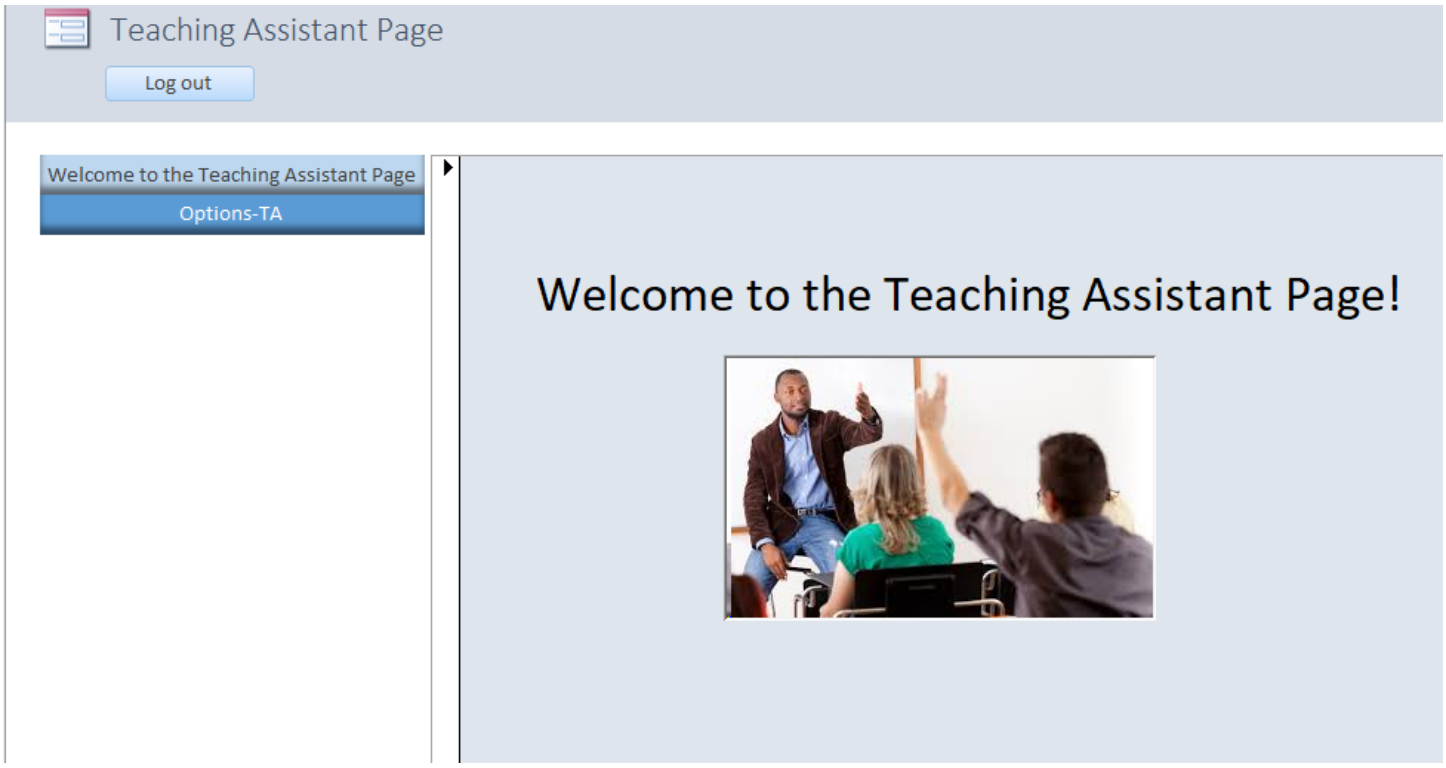
Then they can view it:

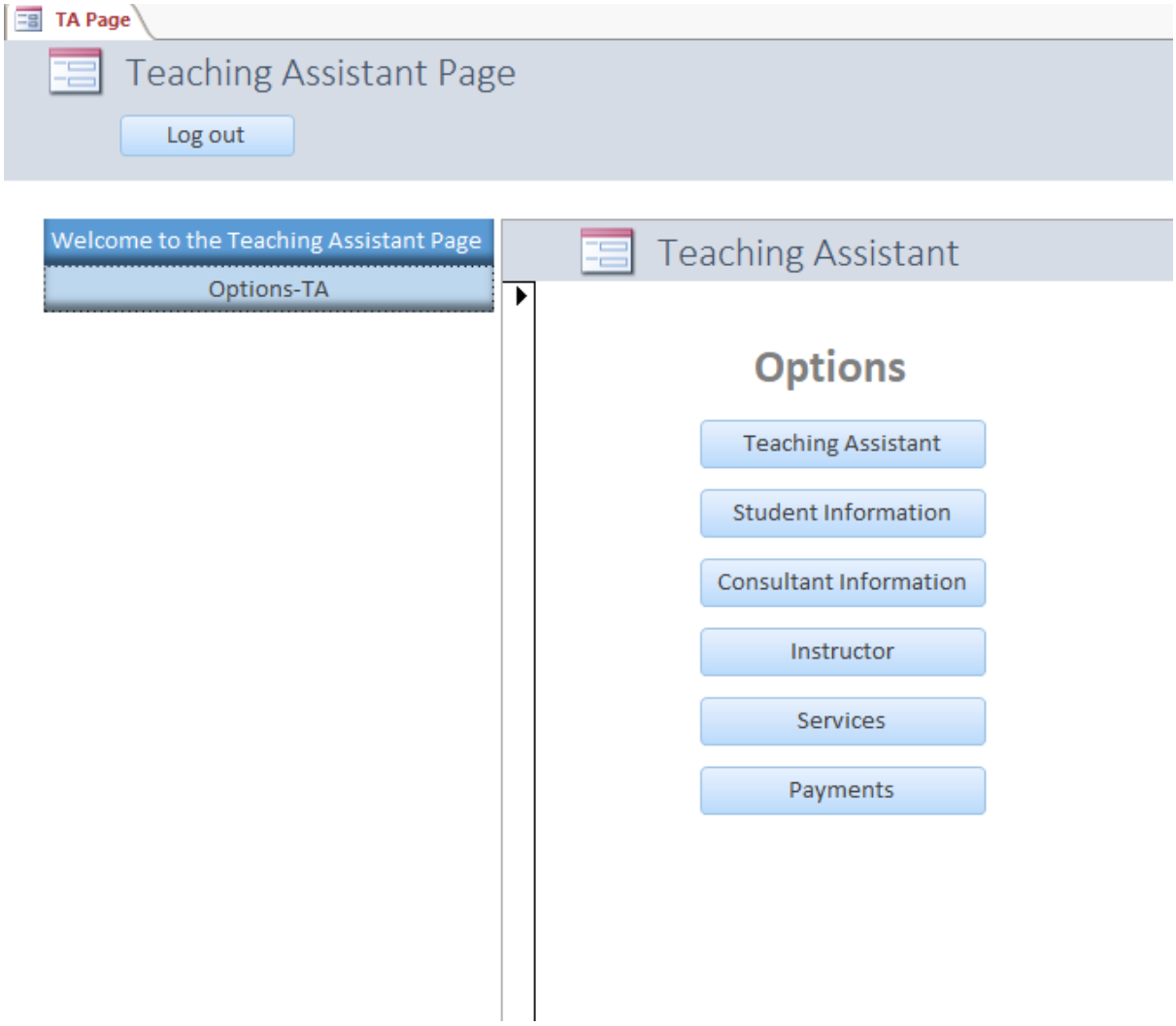


3. TA Login

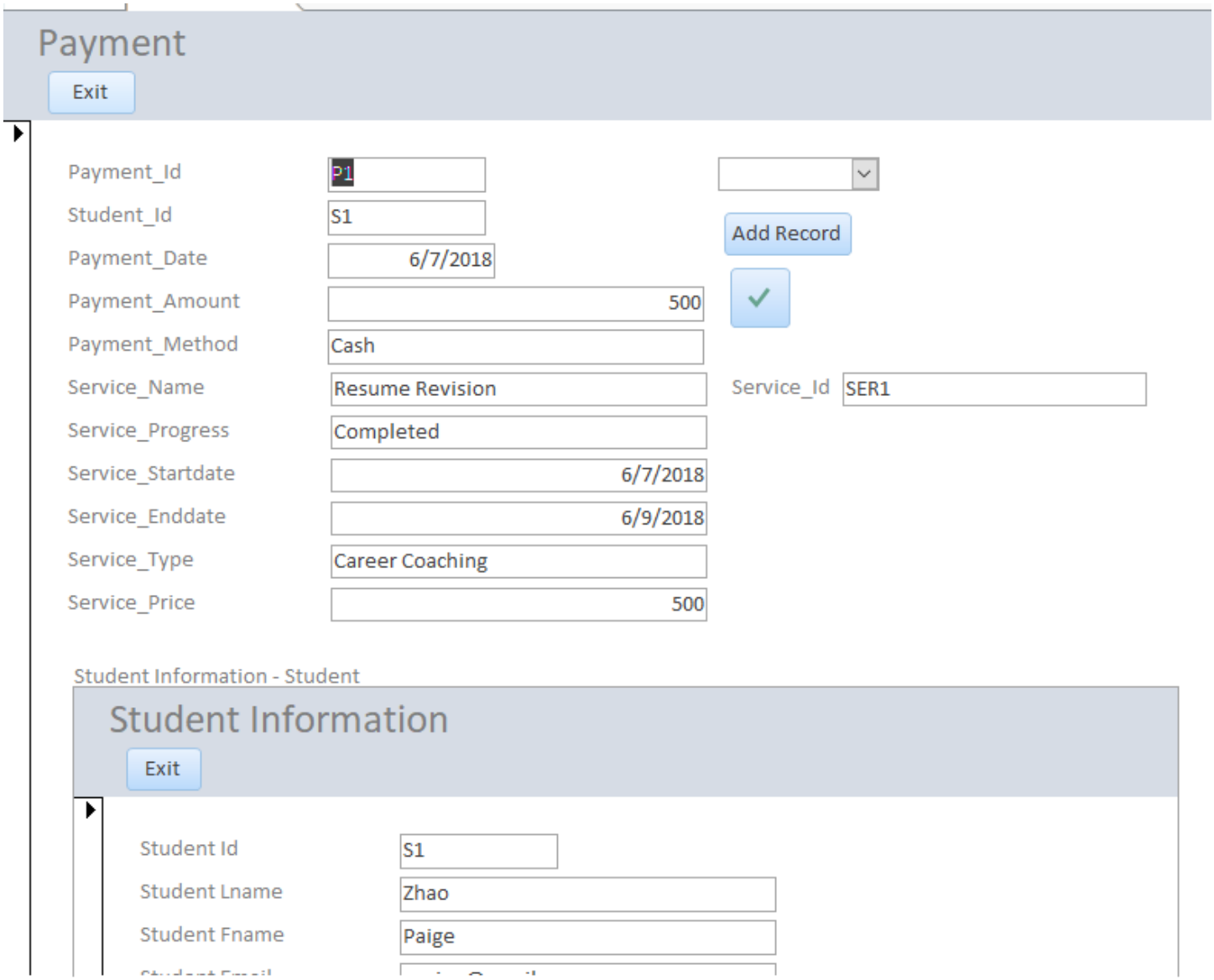


After Successful Login, a TA will be directed to a page, where there are options to go to the “Welcome page” and “Option page”.

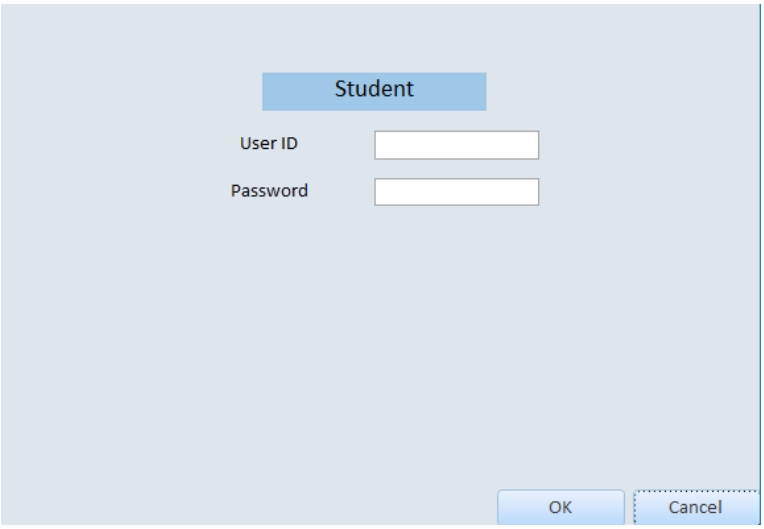




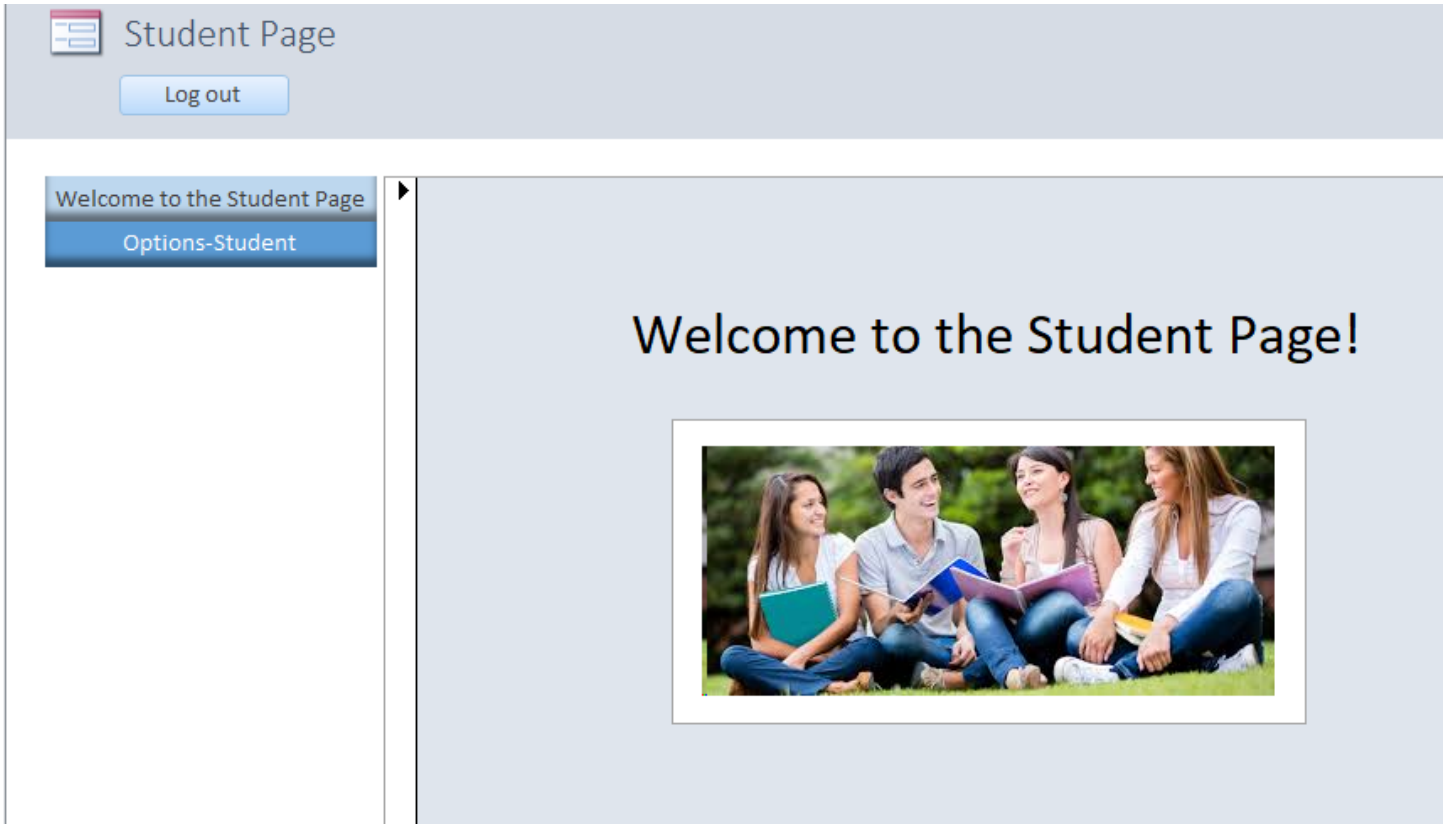
They can view “teaching assistant”, “consultant information”, “student information”, and ”instructor”. They can add records and edit in “services”and “payments”.

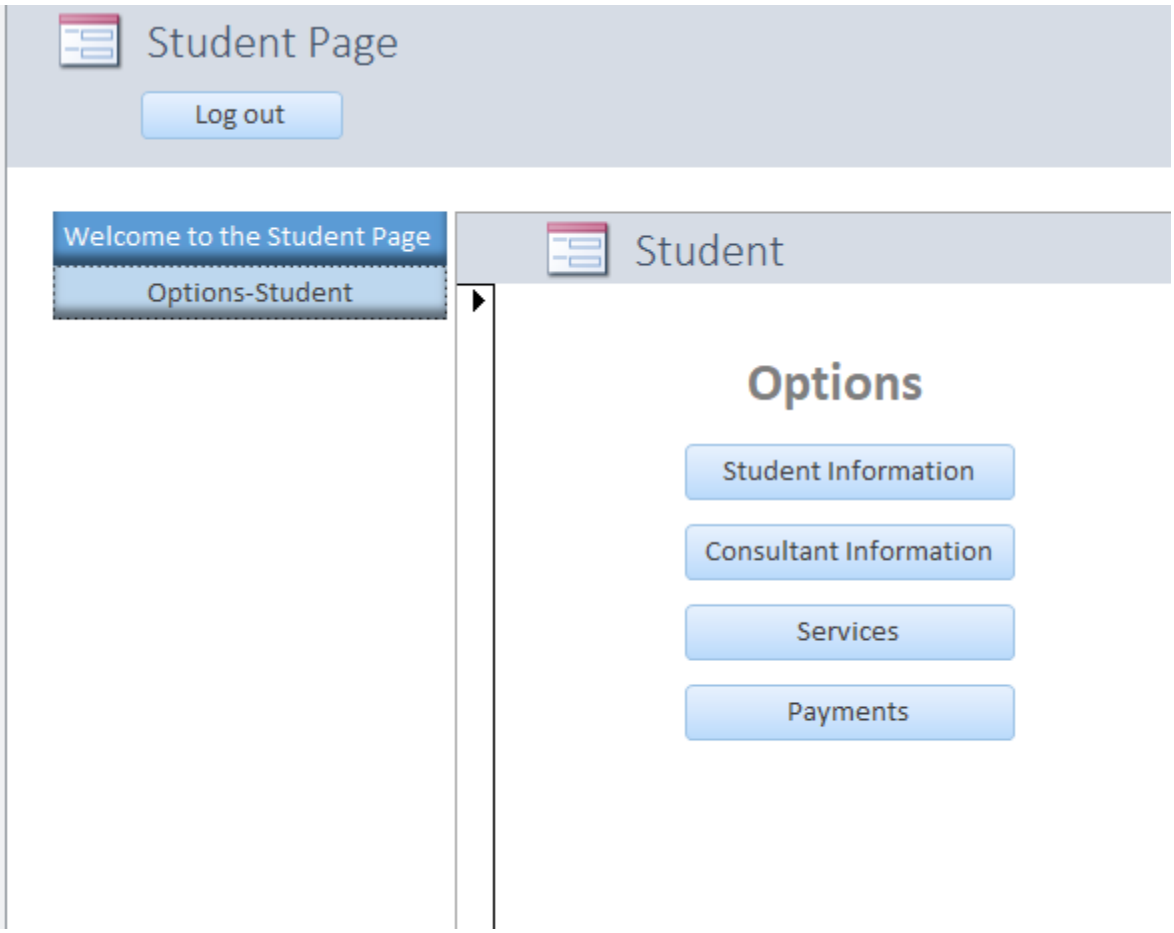


4. Student Login

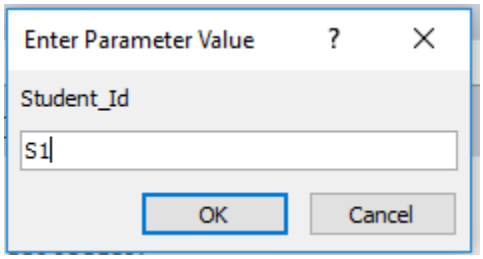


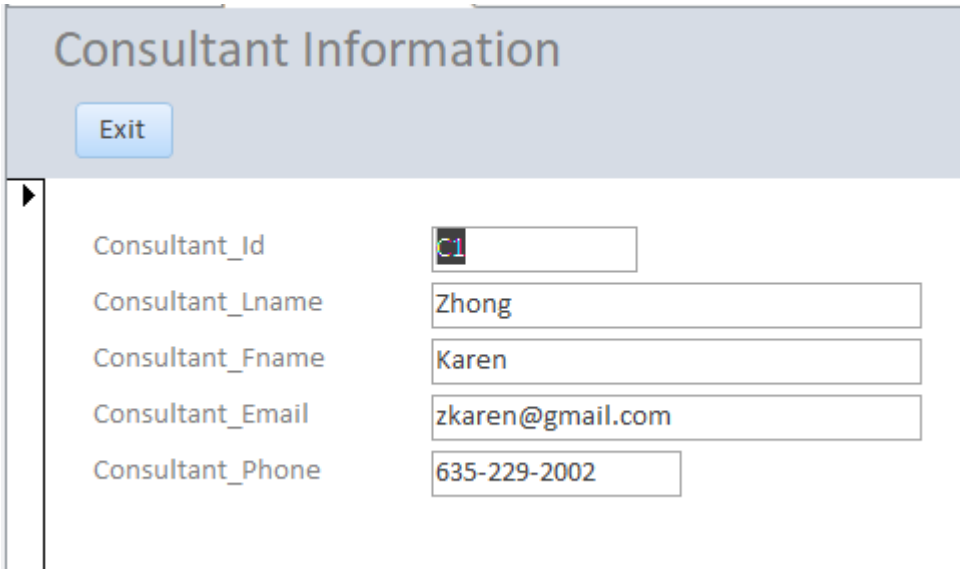
After Successful Login, a student will be directed to a page, where there are options to go to the “Welcome page” and “Option page”.



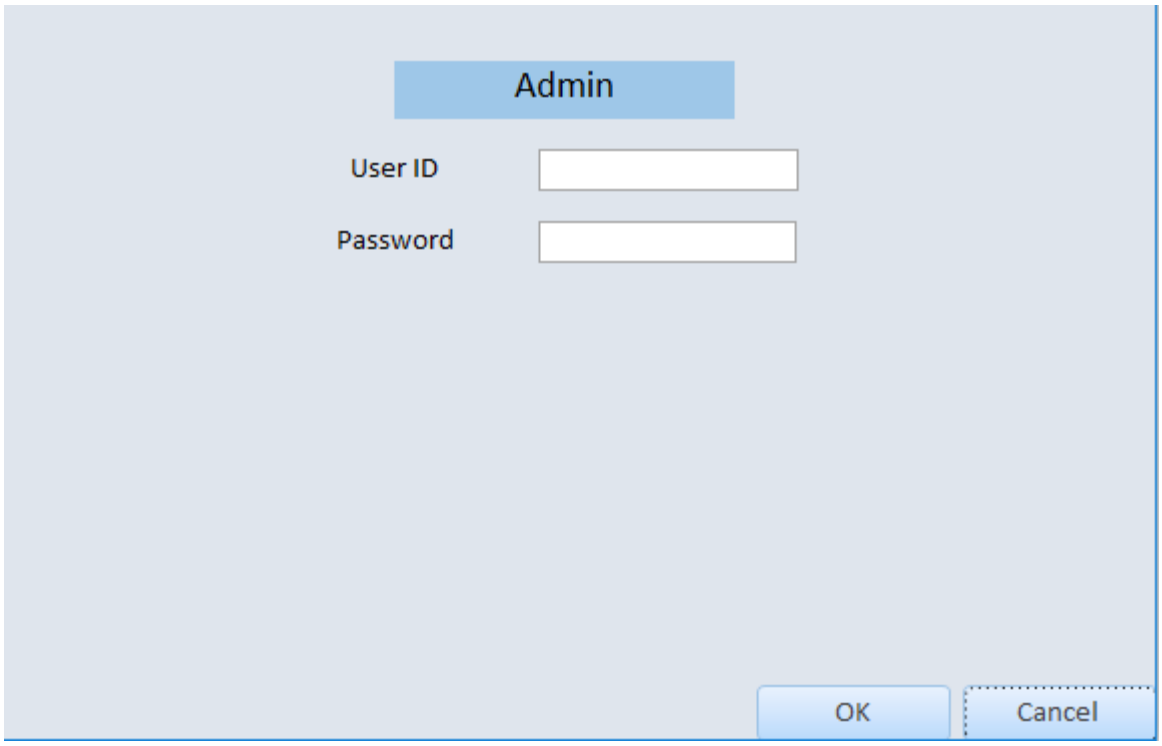


The students can view the options. For each option, they have to specify their ID:

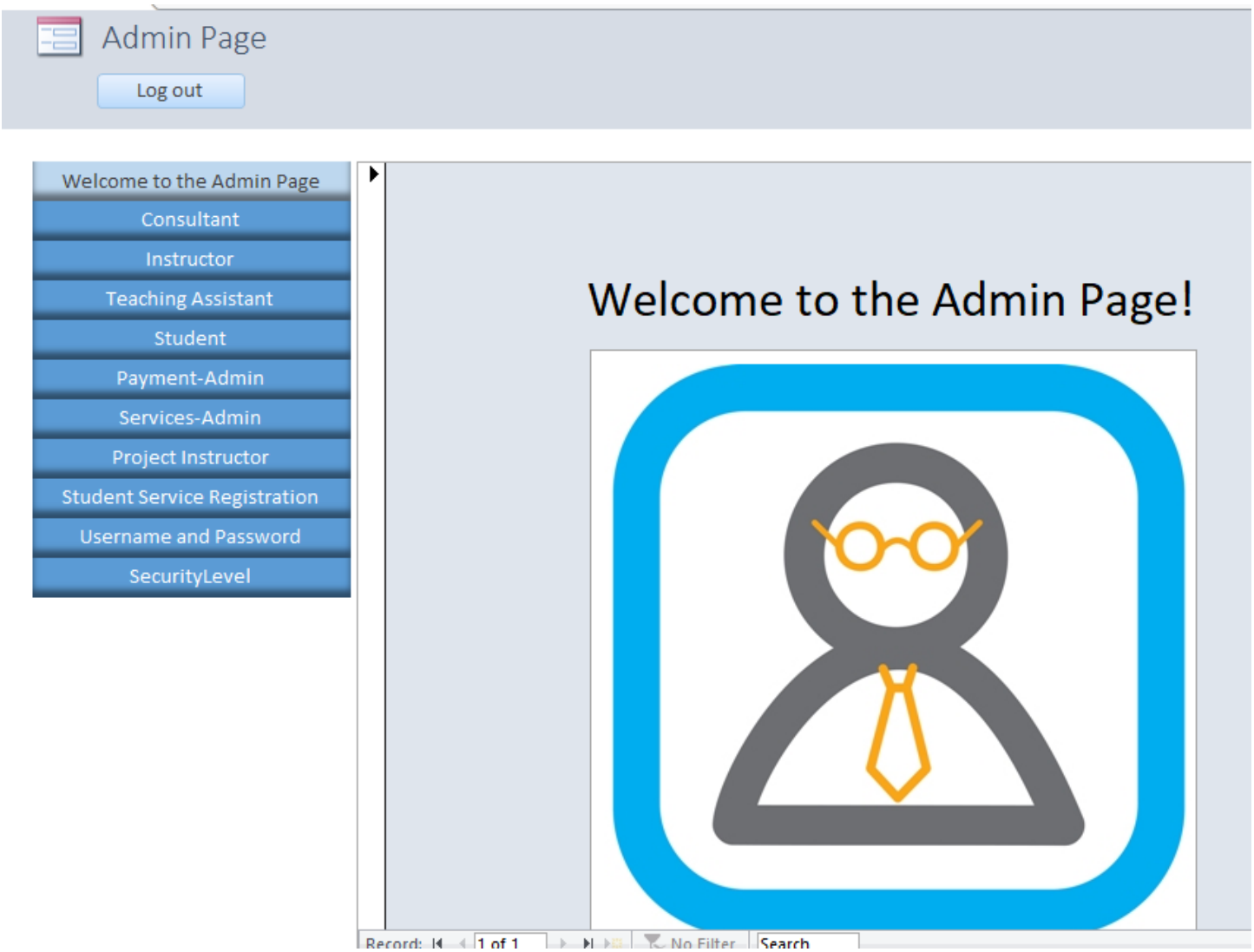




5. Admin Login



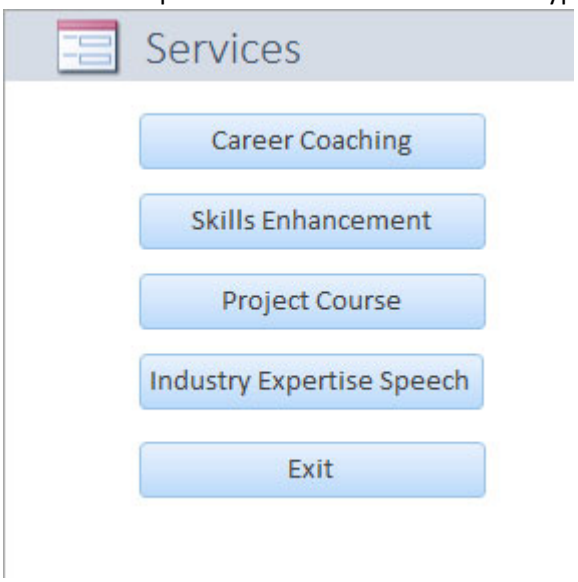
After Successful Login, an administrator will be directed to a page, where there are options to go to 11 pages.



They have full access to add, delete and edit all the records.

*Services:

The service option contains different service types:



Reports

Popular Service Report

Service Name	Number of Students Taking	Service Type
Advanced Excel	9	Skills Enhancement
Resume Revision	8	Career Coaching
Cover Letter Review	5	Career Coaching
Case Interview	4	Skills Enhancement
Finance	4	Industry Expertise Speech
SQL	4	Project Course
Technical Interview Prep	4	Career Coaching
Networking Techniques	3	Career Coaching
Python for Finance	3	Project Course
Behavioral Interview Prep	2	Career Coaching
Behavioral Mock Interview	2	Career Coaching
Job Search Plan	2	Career Coaching
Technical Mock Interview	2	Career Coaching
LinkedIn Profile Edit	1	Career Coaching

Service Revenue Report

Service Name	Service Revenue	Service Type
Advanced Excel	7200	Skills Enhancement
Resume Revision	4000	Career Coaching
Case Interview	3200	Skills Enhancement
Python for Finance	3000	Project Course
Cover Letter Review	2500	Career Coaching
Technical Interview Prep	2000	Career Coaching
Networking Techniques	1500	Career Coaching
Behavioral Interview Prep	1000	Career Coaching
LinkedIn Profile Edit	500	Career Coaching
Finance	400	Industry Expertise Speech
	32300	

Consultant Information Report

Consultant ID	Last Name	First Name	Email	Phone Number	Salary	Number Of Students
C1	Zhong	Karen	zkaren@gmail.com	635-229-2002	6000	8
C2	Fu	Reem	freem@gmail.com	215-620-5694	5000	8
C3	Yan	Justice	yjustice@gmail.com	850-722-1794	8000	7
C4	Tong	Thomas	tthomas@gmail.com	403-480-8229	6000	5
C5	Yang	Zachary	yzachary@gmail.com	854-810-5762	5000	3

Instructor Information Report

Instructor ID	Last Name	First Name	Number of Service
I1	Ai	Luke	5
I8	Nai	Lauren	5
I2	Nian	Arielle	4
I6	Shang	Phoebe	4
I3	Da	Victor	3
I4	Ha	Emily	3
I5	Mo	Melissa	3
I7	Bo	Ruth	2

Students Purchasing Report

Student ID	Last Name	First Name	Number of Services
S24	Zhang	Gustavo	6
S22	Yang	Sahil	4
S15	Dong	Steve	3
S18	Jiang	Dylan	3
S27	Zuo	Nikhil	3
S28	Liu	Danny	3
S11	Wang	Dan	2
S16	Han	Vincent	2
S17	Yang	Austin	2
S21	Wang	Christina	2
S25	Fang	Aby	2
S9	Zhang	Clay	2
S1	Zhao	Paige	1
S10	Wang	Connie	1
S12	Li	Daron	1
S13	He	Alina	1
S14	Wu	Laura	1
S19	Shen	Ananti	1
S2	Qian	David	1
S20	Fan	Ezichi	1
S23	Luo	Adeeso	1
S26	Zhu	Caitlin	1
S29	Li	Tyler	1
S3	Sun	Chris	1

Student ID	Last Name	First Name	Number of Services
S30	Xu	Adam	1
S31	Huang	Andy	1
S4	Li	Brad	1
S5	Zhou	Alex	1
S6	Wu	Ben	1
S7	Zheng	Carl	1
S8	Zheng	Chuck	1

Payment Method Report

Payment Method	Number of Services
Credit Card	26
Debit Card	19
Cash	4
E-Check	4

TA Information Report

TA ID	Last Name	First Name	Email	Phone Number	Hourly Salary
T1	She	Samantha	ssamantha@gmail.com	582-344-8831	20
T2	Mou	Nikolai	mnikolai@gmail.com	321-766-6554	20
T3	Shang	Emma	semma@gmail.com	257-264-1163	18
T4	Qin	Bayley	qbayley@gmail.com	551-282-2938	18