

INFORMATICS INSTITUTE OF TECHNOLOGY DEPARTMENT OF BUSINESS MANAGEMENT

DOC327 - WORKING WITH DATA

COURSEWORK

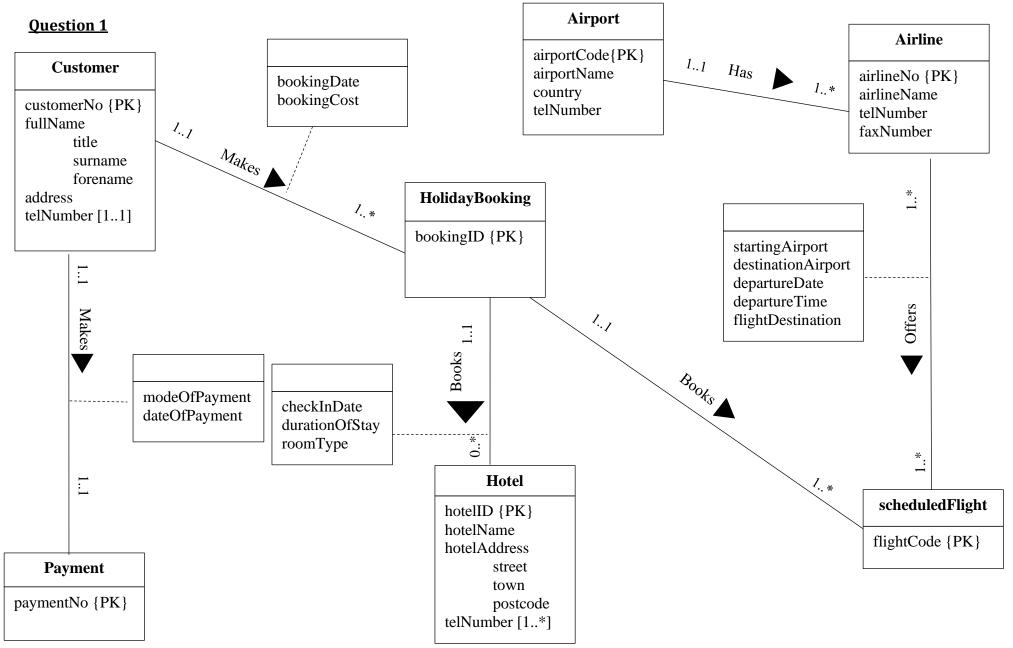
Module Leader:	Kalpana Weerasinghe
Team No:	Group 11
Submission Date:	22 nd of july 2021

Student Id	Student Name
20200928	Nadun Wickramanayake (Group Leader)
20200847	Sidath Perera
20200972	Nirathan Sugumar
20200884	Adheeb Marikkar
20200935	Navindu Chrishen

Project Completion Report

1	Part A Deliverables	. :
2	Part B Deliverables	
3	Part C - Individual Statements - Self-Evaluation	2(

1 Part A Deliverables



Question 2

Table Hotel

CREATE TABLE Hotel(
hotelID varchar(5) NOT NULL,
hotelName varchar(25),
hotelAddress varchar(40),
teleNo int(11),
PRIMARY KEY (hotelID)
);

Table Customer

CREATE TABLE Customer(
customerNo int(5) NOT NULL,
fullName varchar(25),
address varchar(40),
teleNo int(11),
PRIMARY KEY (customerNo)
);

Table Holiday Booking

CREATE TABLE HolidayBooking(
bookingID varchar(10) NOT NULL,
PRIMARY KEY (bookingID)
);

Table Airline

CREATE TABLE Airline(
airlineNo varchar (10) NOT NULL,
airlineName varchar(25),
teleNo int(11),
faxNo int(11),
PRIMARY KEY (airlineNo)
);

Table Payment

CREATE TABLE Payment(
paymentNo int(10) NOT NULL,
PRIMARY KEY (paymentNo)
):

Table Flight

CREATE TABLE Flight(
flightCode varchar (15) NOT NULL,
PRIMARY KEY (flightCode)
);

2 Part B Deliverables

Question 1

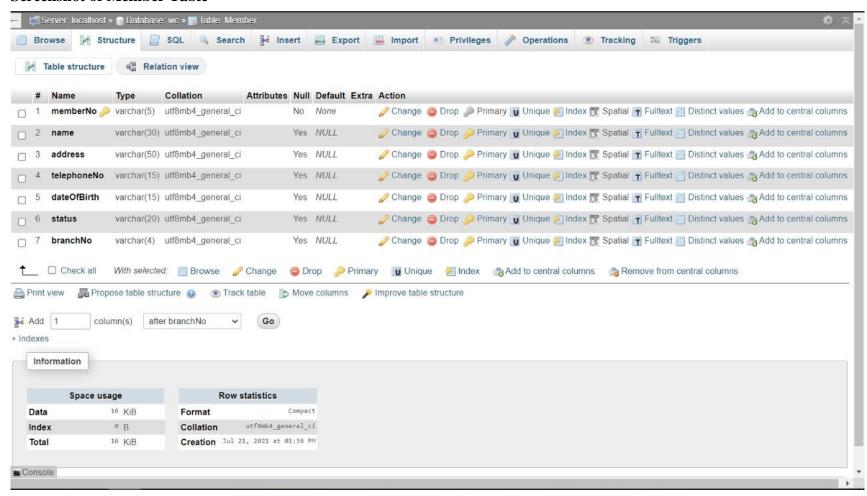
Actual DDL statement/code of Member Table

CREATE TABLE Member(
memberNo varchar(5) NOT NULL,
name varchar(30),
address varchar(50),
telephoneNo varchar(15),
dateOfBirth varchar(15),
status varchar(20),
branchNo varchar(4),
PRIMARY KEY (memberNo)
);

Screenshot of Member Table Code



Screenshot of Member Table



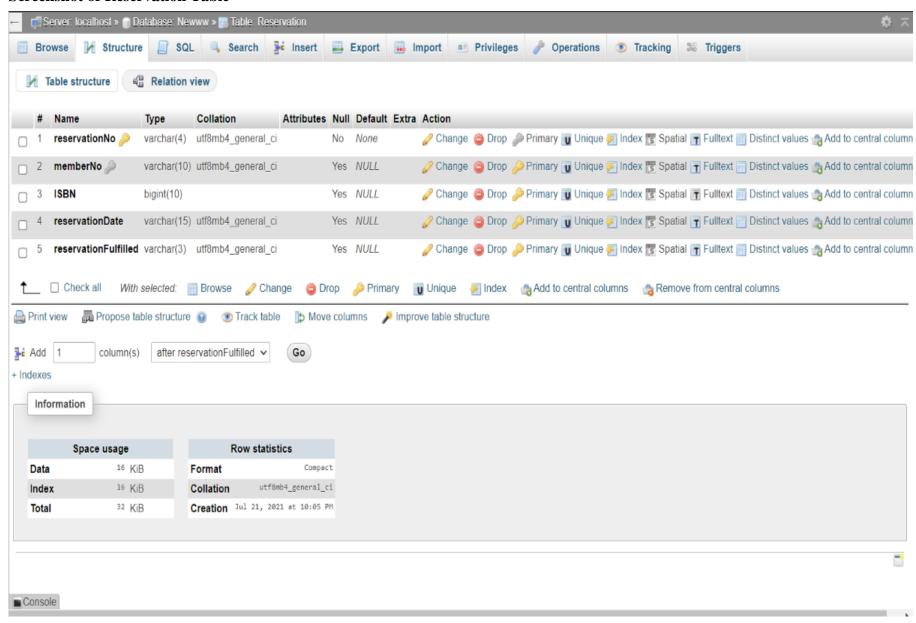
Actual DDL statement/code of Reservation Table

CREATE TABLE Reservation(
reservationNo varchar(4) NOT NULL,
memberNo varchar(10),
ISBN bigint(10),
reservationDate varchar(15),
reservationFulfilled varchar(3),
PRIMARY KEY (reservationNo),
FOREIGN KEY (memberNo) REFERENCES Member(memberNo));

Screenshot of Reservation Table Code



Screenshot of Reservation Table



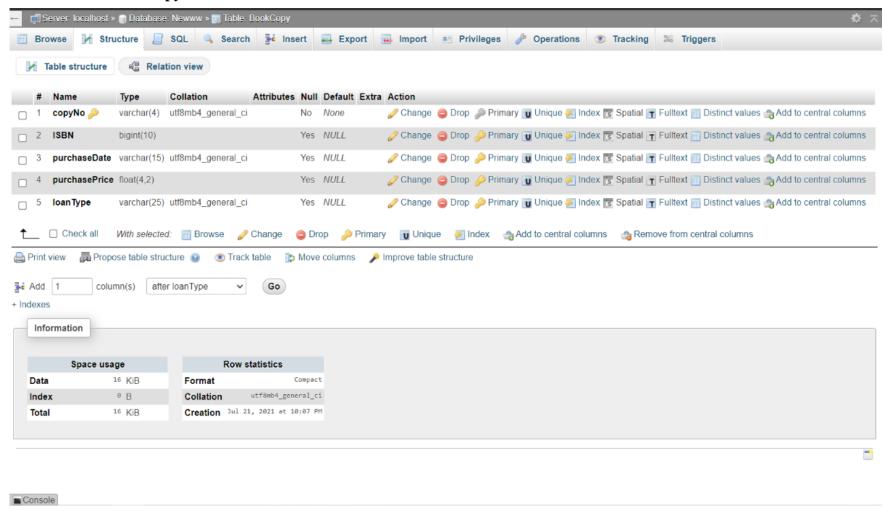
Actual DDL statement/code of Book Copy Table

```
CREATE TABLE BookCopy(
copyNo varchar(4) NOT NULL,
ISBN bigint(10),
purchaseDate varchar(15),
purchasePrice float(4,2),
loanType varchar(25),
PRIMARY KEY (copyNo)
).
```

Screenshot of Book Copy Table code



Screenshot of Book Copy Table



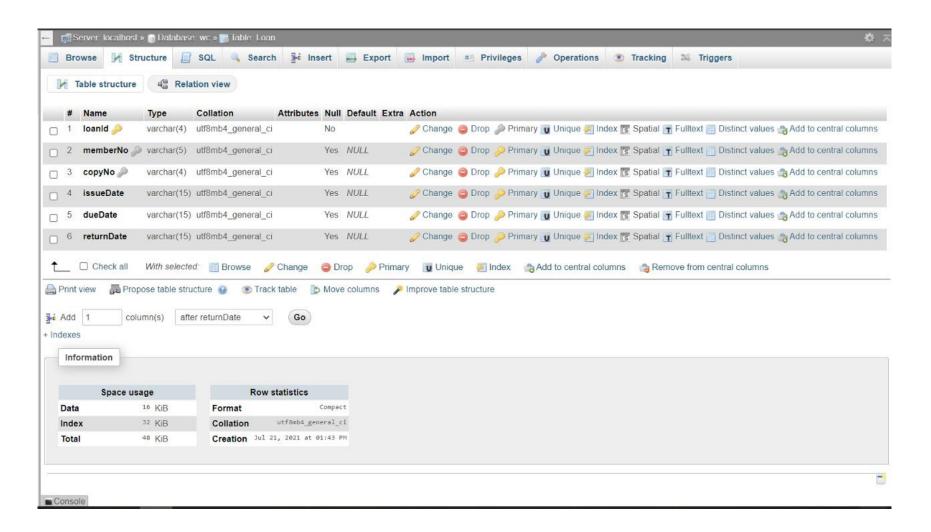
Actual DDL statement/code of Loan Table

```
CREATE TABLE Loan(
loanId varchar(4),
memberNo varchar(5),
copyNo varchar(4),
issueDate varchar(15),
dueDate varchar(15),
returnDate varchar(15),
PRIMARY KEY (loanId),
FOREIGN KEY (memberNo) REFERENCES Member(memberNo), FOREIGN KEY (copyNo) REFERENCES BookCopy(copyNo)
);
```

Screenshot of Loan Table Code



Screenshot of Loan Table



Question 2

Actual INSERT statements/codes of Member table

INSERT INTO Member VALUES('A2345','James Ward','81 George Street, London','020-8456-1122','04/Dec/1980','Staff','B111'); INSERT INTO Member VALUES('R3456','Joan Lees','35 Kings Hill, Edinburgh','01318-234561','14/Jan/1983','Researcher','B222'); INSERT INTO Member VALUES('S4567','Dave Smith','12 Avery Hill, London','020-7822-1024','24/Mar/1986','Student','B111'); INSERT INTO Member VALUES('S7654','Marie Hans','45 The Ash, Dartford','01322-451399','18/Jun/1989','Student','B222'); INSERT INTO Member VALUES('P8764','Sam Jones','17 Lower Street, London','020-7551-1003','16/Nov/1990','Researcher','B111'); Note: To arrange the order of the member table: - SELECT * FROM Member ORDER BY SUBSTRING (dateOfBirth, -3, LENGTH (dateOfBirth))

INSERT statements/code screenshot of Member table

```
INSERT INTO Member VALUES('A2345','James Ward','81 George Street, London','020-8456-1122','04/Dec/1980','Staff','B111');
INSERT INTO Member VALUES('R3456','Joan Lees','35 Kings Hill, Edinburgh','01318-234561','14/Jan/1983','Researcher','B222');
INSERT INTO Member VALUES('S4567','Dave Smith','12 Avery Hill, London','020-7822-1024','24/Mar/1986','Student','B111');
INSERT INTO Member VALUES('S7654','Marie Hans','45 The Ash, Dartford','01322-451399','18/Jun/1989','Student','B222');
INSERT INTO Member VALUES('P8764','Sam Jones','17 Lower Street, London','020-7551-1003','16/Nov/1990','Researcher','B111');
```

Screenshot of the Member table



Actual INSERT statement/codes of Reservation table

INSERT INTO Reservation VALUES('R101','R3456',1201708574,'14/Jan/05','Yes');

INSERT INTO Reservation VALUES('R102', 'S4567', 4558602453, '25/Feb/06', 'No');

INSERT INTO Reservation VALUES('R103','S7654',4558602453,'06/Apr/06','Yes');

INSERT INTO Reservation VALUES('R104','S4567',1201708574,'30/Sep/06','Yes');

INSERT INTO Reservation VALUES('R105','P8764',9876543210,'21/Feb/07','No');

INSERT statement/code screenshot of Reservation table

```
INSERT INTO Reservation VALUES('R101','R3456',1201708574,'14/Jan/05','Yes');
INSERT INTO Reservation VALUES('R102','S4567',4558602453,'25/Feb/06','No');
INSERT INTO Reservation VALUES('R103','S7654',4558602453,'06/Apr/06','Yes');
INSERT INTO Reservation VALUES('R104','S4567',1201708574,'30/Sep/06','Yes');
INSERT INTO Reservation VALUES('R105','P8764',9876543210,'21/Feb/07','No');
```

Screenshot of the Reservation table

← T →	$\overline{}$	reservationNo	memberNo	ISBN	reservationDate	reservationFulfilled
☐ Ø Edit ♣ Copy	Delete	R101	R3456	1201708574	14/Jan/05	Yes
☐ Ø Edit ♣ Copy	Delete	R102	S4567	4558602453	25/Feb/06	No
<i>⊘</i> Edit ≩ Copy	Delete	R103	S7654	4558602453	06/Apr/06	Yes
☐ Ø Edit ¾ Copy	Delete	R104	S4567	1201708574	30/Sep/06	Yes
<i>⊘</i> Edit 3 -i Copy	Delete	R105	P8764	9876543210	21/Feb/07	No

Actual INSERT statements/codes of BookCopy table

INSERT INTO BookCopy VALUES('C001',1201708574,'14/Jan/2005','32.50','Reference'); INSERT INTO BookCopy VALUES('C002',1201708574,'12/Feb/2005','38.99','Regular'); INSERT INTO BookCopy VALUES('D001',2409708614,'11/Mar/2006','24.99','Short Loan'); INSERT INTO BookCopy VALUES('E001',9876543210,'21/Apr/2006','28.99','Reference'); INSERT INTO BookCopy VALUES('E002',9876543210,'14/Jan/2007','33.99','One-week');

INSERT statement/code screenshot of BookCopy table

```
INSERT INTO BookCopy VALUES('C001',1201708574,'14/Jan/2005','32.50','Reference');
INSERT INTO BookCopy VALUES('C002',1201708574,'12/Feb/2005','38.99','Regular');
INSERT INTO BookCopy VALUES('D001',2409708614,'11/Mar/2006','24.99','Short Loan');
INSERT INTO BookCopy VALUES('E001',9876543210,'21/Apr/2006','28.99','Reference');
INSERT INTO BookCopy VALUES('E002',9876543210,'14/Jan/2007','33.99','One-week');
```

Screenshot of BookCopy table

← T →	▼ copyNo	ISBN	purchaseDate	purchasePrice	loanType
☐ Ø Edit ♣ Copy ⊜ De	lete C001	1201708574	14/Jan/2005	32.50	Reference
☐ Ø Edit ♣ Copy ⊜ De	lete C002	1201708574	12/Feb/2005	38.99	Regular
☐ Ø Edit ♣ Copy ⊜ De	lete D001	2409708614	11/Mar/2006	24.99	Short Loan
☐ Ø Edit ♣ Copy ⊜ De	lete E001	9876543210	21/Apr/2006	28.99	Reference
	lete E002	9876543210	14/Jan/2007	33.99	One-week

Actual INSERT statements/codes of Loan table

INSERT INTO Loan VALUES('L001','A2345','C002','05/Jan/2006','05/Feb/2006','05/Feb/2006'); INSERT INTO Loan VALUES('L002','S4567','C002','15/Feb/2006','15/Mar/2006',null); INSERT INTO Loan VALUES('L003','R3456','D001','25/Jun/2006','25/Jul/2006','15/Jul/2006'); INSERT INTO Loan VALUES('L004','R3456','D001','01/Jan/2007','11/Feb/2007',null); INSERT INTO Loan VALUES('L005','P8764','E002','11/Feb/2007','21/Mar/2007',null);

INSERT statement/code screenshot of Loan table

```
INSERT INTO Loan VALUES('L001','A2345','C002','05/Jan/2006','05/Feb/2006');
INSERT INTO Loan VALUES('L002','S4567','C002','15/Feb/2006','15/Mar/2006',null);
INSERT INTO Loan VALUES('L003','R3456','D001','25/Jun/2006','25/Jul/2006','15/Jul/2006');
INSERT INTO Loan VALUES('L004','R3456','D001','01/Jan/2007','11/Feb/2007',null);
INSERT INTO Loan VALUES('L005','P8764','E002','11/Feb/2007','21/Mar/2007',null);
```

Screenshot of the Loan table

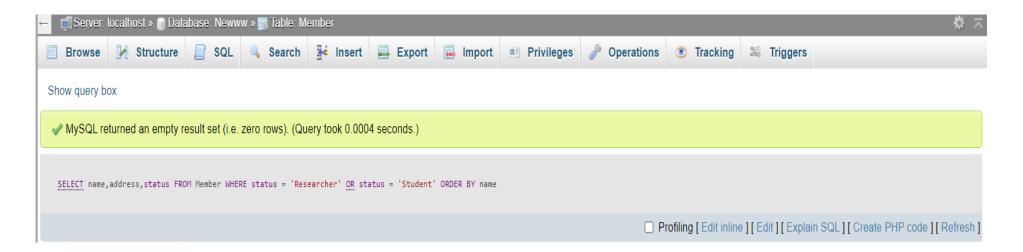
←T-	→		$\overline{}$	loanld	memberNo	copyNo	issueDate	dueDate	returnDate
	<i>⊘</i> Edit	≩ i Copy	Delete	L001	A2345	C002	05/Jan/2006	05/Feb/2006	05/Feb/2006
	<i>⊘</i> Edit	≩ å Copy	Delete	L002	S4567	C002	15/Feb/2006	15/Mar/2006	NULL
	<i>⊘</i> Edit	≩ і Сору	Delete	L003	R3456	D001	25/Jun/2006	25/Jul/2006	15/Jul/2006
	<i>⊘</i> Edit	≩ сору	Delete	L004	R3456	D001	01/Jan/2007	11/Feb/2007	NULL
	Edit	≩- Сору	Delete	L005	P8764	E002	11/Feb/2007	21/Mar/2007	NULL

Question 3

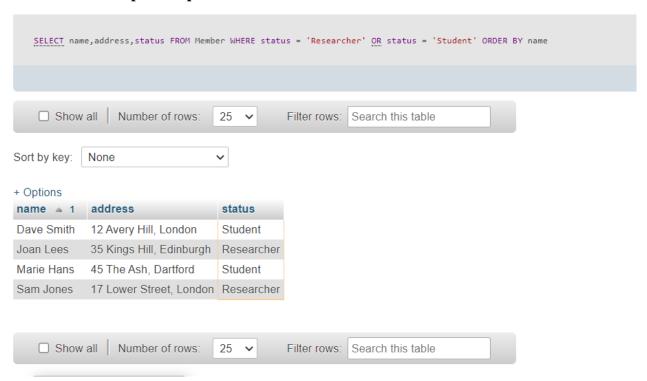
Actual sql statement/code for question 3.

SELECT name,address,status FROM Member WHERE status = 'Researcher' OR status = 'Student' ORDER BY name;

Screenshot of code for question 3



Screenshot of output for question 3



Student Name:	Nadun Wickrmanayake 	Student Id:	20200928					
	State what tasks you carried out in the project.							
Did part a questi	on 1							
State what you	ı enjoyed and did not enjoy about te	amwork.						
Enjoy – Some pe	oples are active and do their tasks.							
State what you	ı learnt about teamwork.							
members thinking of the teamwork	est and commitment, we can do anything ng like no I don't need to do this this will but if team members think positively an ss of the group work. If a group has 5-7 nw.	done by some	eone else. That's the worst part think like "I can do this" this					

State what skills you gained/learnt from undertaking the project.
Time management, understanding complex ideas, connect with other peoples, how to do works as a leader
State any strengths about yourself that emerged while undertaking the project.
Easily connect with other peoples and easily understand the problems.
State any weaknesses about yourself that emerged while undertaking the project.
If someone is not active and not working, I can't remove and mark their names as they didn't work in this module So in that situation I did all the works that who are not working in group and mark their works as they did.
State how you would do things better if you were to undertake the project again. First, we have to make our teamwork. Without that we can't do a group work. And all members
should active and helpful.

Has undertaking this module made you reflect on/change your course?					
-					
Additional gen	eral or project specific comments:				
-					
Student	Nadun Wickramanayake	Date:	Wednesday/21/July		
Signature:					

Student Name:	Sidath Perera	Student Id:	20200847					
	ks you carried out in the project.							
Part B Question 2	Part B Question 2							
State what you	ı enjoyed and did not enjoy about te	amwork.						
Enjoy – Some pe	oples are active and do their tasks.							
Did not enjoy - n	ot much of a contribution							
State what you	ı learnt about teamwork.							
That we all have	That we all have to contribute to get the work done.							
State what skills you gained/learnt from undertaking the project.								
Time management								
State any strengths about yourself that emerged while undertaking the project.								
Problem solving								
State any weak	knesses about yourself that emerged	l while unde	rtaking the project.					

Critical Thinking							
State how you	would do things better if you were	to undertake	the project again.				
Lwill manage m	y time better and help my friends with t	hoir poods					
i wiii iiianage iii	time better and help my menus with t	nen neeus					
Has undertaki	ng this module made you reflect o	n/change you	r course?				
-							
Additional gen	ieral or project specific comments:						
-							
Student	Sidath Perera	Date:	2021/07/21				
Signature:							

Student	Nirathan Sugumar	Student	20200972				
Name:		Id:					
State what tas	ks you carried out in the project.						
Part b Question (03						
State what you	enjoyed and did not enjoy about te	amwork.					
I really enjoyed o	doing the job as an teamwork than doing	it individually	7				
Ct t l t							
•	learnt about teamwork.						
The thing which	I learned was to do the work on time and	d as soon as po	ossible				
State what skill	State what skills you gained/learnt from undertaking the project.						
	to handle an project and complete it on t						
	. ,						
State any stren	igths about yourself that emerged v	vhile undert	aking the project.				

State any weal	knesses about yourself that emerge	d while unde	ertaking the project.					
State how you	would do things better if you were i	to undertake	e the project again.					
It would be easie	er than the last one							
Has undertaki	ng this module made you reflect on	/change you	r course?					
Additional gen	eral or project specific comments:							
Chudout	Nissath an areas	Data	12/07/2021					
Student	Nirathan sugu	Date:	12/07/2021					
Signature:			1					

Student	Navindu	Student	20200935				
Name: Id: State what tasks you carried out in the project.							
Part B Question 2 (inserting the data into tables listed in question 1)							
Q	Tare B Question 2 (inserting the data into tables listed in question 1)						
State what you	State what you enjoyed and did not enjoy about teamwork.						
		umwork.					
_	eetings was enjoyable e members work together was frustratin	σ.					
Combining an the	e members work together was frustratin	g					
State what you	learnt about teamwork.						
Teaming up mak	es the work much easier						
State what skil	ls you gained/learnt from undertal	king the proj	ect.				
Time managemen	nt						
Charles are charles							
State any strengths about yourself that emerged while undertaking the project.							
Had good analysing skills							
State any weaknesses about yourself that emerged while undertaking the project.							

Making few careless mistakes						
State how you would do things better if you were to undertake the project again.						
Staying more focused when doing the work						
Has undertaking this module made you reflect on/change your course?						
-						
Additional general or project specific comments:						
none						
Student	navindu	Date:	7/21/2021			
Signature:						