

Project Description:

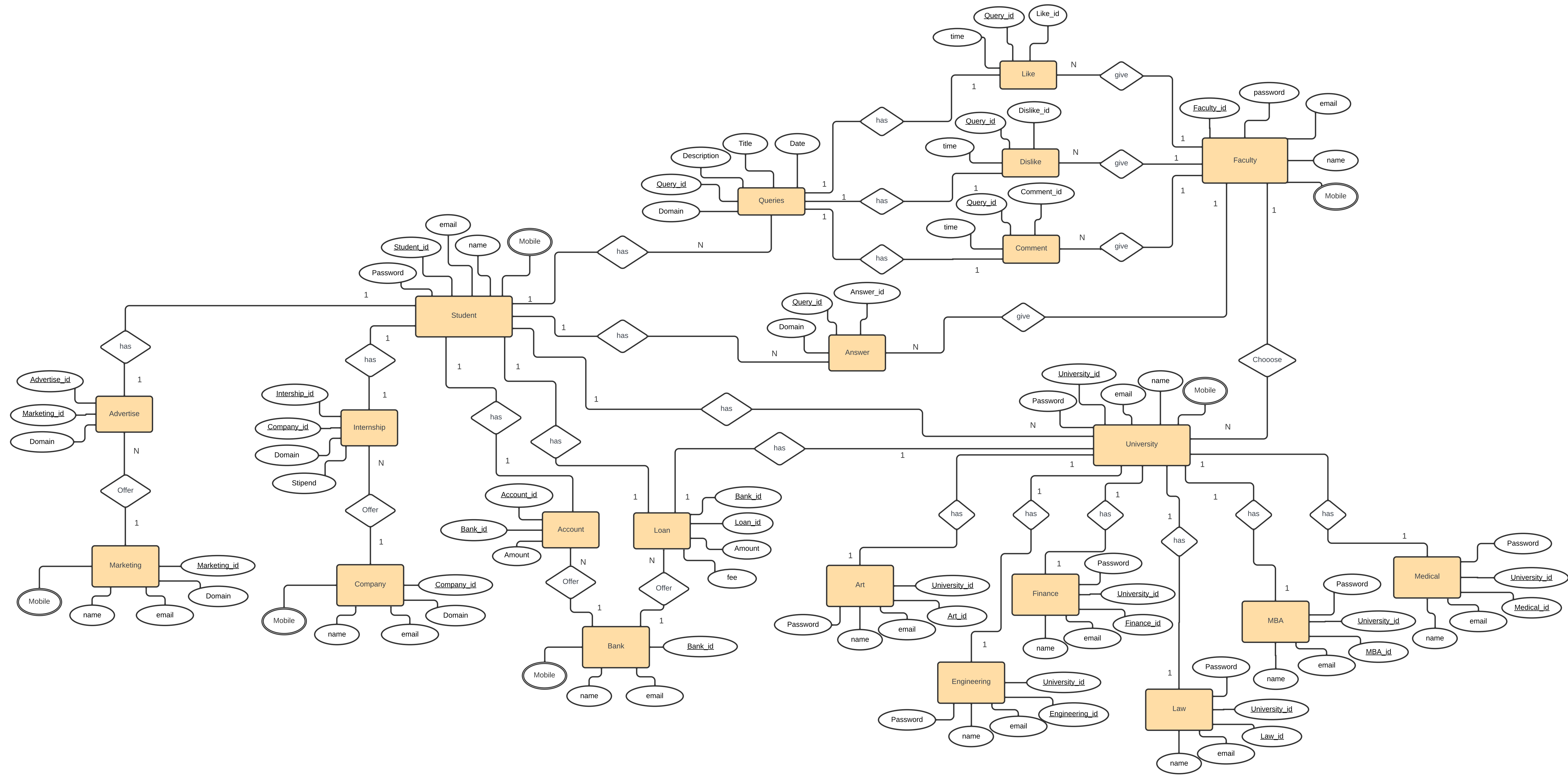
In developing countries, there is a huge gap between education & financial provider and seeker. This platform will bridge the gap between them. Student's can reach out to university and faculty and plan their career's accordingly. In developing countries, another major issue is lack of financial literacy. With the help of this platform student can reach out to both faculty of finance and people working in bank. Company can reach students and offer internship. This will help student to understand concepts in more depth.

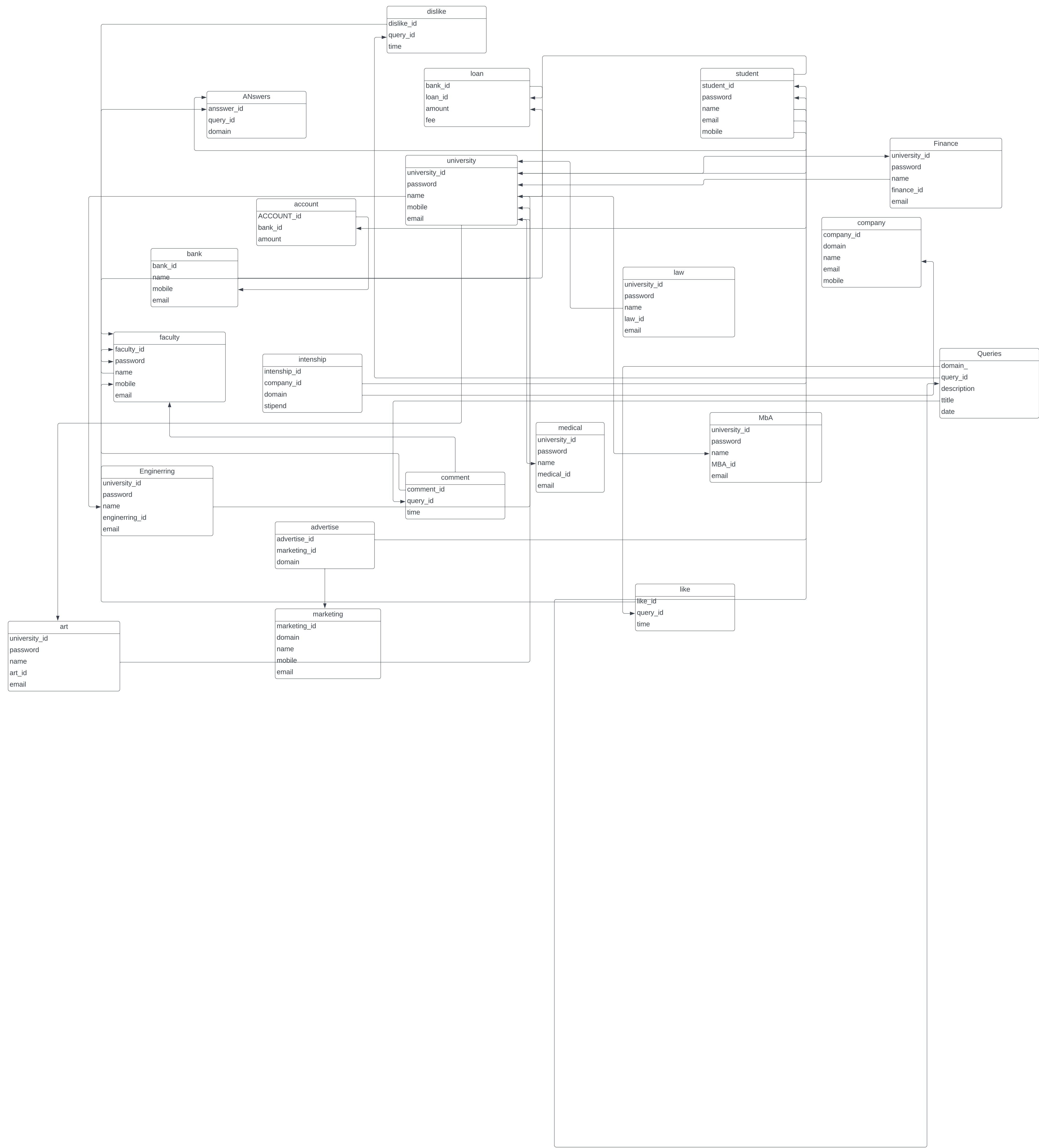
The platform function's as follows:

1. Student can choose a faculty from the domain of interest and ask any queries.
2. Faculty can contact the student according to the query and give their valuable feedback.
3. Student can go through the content on this platform and choose their domain wisely.
4. Student of any domain can interact with company and apply for the internship.
5. Student can contact bank and apply for the loan with clear information of financials.
6. This platform need to be advertised to reach as many students as possible.
7. Bank also offers account in which stipends from the internship can be saved or invested.

Assumptions:

1. Student can opt for different disciplines or domain and invest more time in the domain of interest.
2. All students should have financial literacy to adjust in this world, This platform will help them.
3. A student can only interact with faculty, Bank or Company related their requirement





Creating Table Commands:

```
CREATE TABLE `answer` (  
  `answer_id` int NOT NULL AUTO_INCREMENT,  
  `query_id` int DEFAULT NULL,  
  `ans_description` varchar(2000) DEFAULT NULL,  
  `student_id` int,  
  `faculty_id` int,  
  PRIMARY KEY (`answer_id`),  
  KEY `query_id` (`query_id`),  
  FOREIGN KEY (student_id) REFERENCES student(student_id),  
  FOREIGN KEY (faculty_id) REFERENCES faculty(faculty_id),  
  CONSTRAINT `answer_ibfk_1` FOREIGN KEY (`query_id`) REFERENCES `queries` (`query_id`)  
)
```

```
CREATE TABLE `art` (  
  `art_id` int NOT NULL AUTO_INCREMENT,  
  `email` varchar(45) DEFAULT NULL,  
  `mobile` varchar(45) DEFAULT NULL,  
  `university_id` int DEFAULT NULL,  
  PRIMARY KEY (`art_id`),  
  KEY `university_id` (`university_id`),  
  CONSTRAINT `art_ibfk_1` FOREIGN KEY (`university_id`) REFERENCES `university` (`university_id`)  
)
```

```
CREATE TABLE `bank` (  

```

```
`bank_id` int NOT NULL AUTO_INCREMENT,  
`name` varchar(45) DEFAULT NULL,  
`email` varchar(45) DEFAULT NULL,  
`mobile_id` int DEFAULT NULL,  
`student_id` int,  
PRIMARY KEY (`bank_id`),  
KEY `mobile_id` (`mobile_id`),  
FOREIGN KEY (student_id) REFERENCES student(student_id),  
CONSTRAINT `bank_ibfk_1` FOREIGN KEY (`mobile_id`) REFERENCES `mobile` (`mobile_id`)  
)
```

```
CREATE TABLE `comments` (  
  `comment_id` int NOT NULL AUTO_INCREMENT,  
  `description` varchar(2000) DEFAULT NULL,  
  `query_id` int DEFAULT NULL,  
  PRIMARY KEY (`comment_id`),  
  KEY `query_id` (`query_id`),  
  CONSTRAINT `comments_ibfk_1` FOREIGN KEY (`query_id`) REFERENCES `queries` (`query_id`)  
)
```

```
CREATE TABLE `company` (  
  `company_id` int NOT NULL AUTO_INCREMENT,  
  `name` varchar(45) DEFAULT NULL,  
  `email` varchar(45) DEFAULT NULL,  
  `mobile` varchar(45) DEFAULT NULL,  
  PRIMARY KEY (`company_id`)  
)
```

```
CREATE TABLE `dislikes` (  
  `dislike_id` int NOT NULL AUTO_INCREMENT,
```

```
`query_id` int DEFAULT NULL,  
PRIMARY KEY (`dislike_id`),  
KEY `query_id` (`query_id`),  
CONSTRAINT `dislikes_ibfk_1` FOREIGN KEY (`query_id`) REFERENCES `queries` (`query_id`)  
)
```

```
CREATE TABLE `engineering` (  
  `engineering_id` int NOT NULL AUTO_INCREMENT,  
  `email` varchar(45) DEFAULT NULL,  
  `mobile` varchar(10) DEFAULT NULL,  
  `university_id` int DEFAULT NULL,  
  PRIMARY KEY (`engineering_id`),  
  KEY `university_id` (`university_id`),  
  CONSTRAINT `engineering_ibfk_1` FOREIGN KEY (`university_id`) REFERENCES `university`  
  (`university_id`)  
)
```

```
CREATE TABLE `faculty` (  
  `faculty_id` int NOT NULL AUTO_INCREMENT,  
  `name` varchar(50) DEFAULT NULL,  
  `email` varchar(30) DEFAULT NULL,  
  `password` varchar(20) DEFAULT NULL,  
  `mobile_id` int DEFAULT NULL,  
  PRIMARY KEY (`faculty_id`),  
  KEY `mobile_id` (`mobile_id`),  
  CONSTRAINT `faculty_ibfk_1` FOREIGN KEY (`mobile_id`) REFERENCES `mobile` (`mobile_id`)  
)
```

```
CREATE TABLE `finance` (  
  `finance_id` int NOT NULL AUTO_INCREMENT,
```

```
`finance_id` int NOT NULL,  
`email` varchar(45) DEFAULT NULL,  
`mobile` varchar(10) DEFAULT NULL,  
`university_id` int DEFAULT NULL,  
PRIMARY KEY (`finance_id`),  
KEY `university_id` (`university_id`),  
CONSTRAINT `finance_ibfk_1` FOREIGN KEY (`university_id`) REFERENCES `university`  
(`university_id`)  
)
```

```
CREATE TABLE `internship` (  
  `internship_id` int NOT NULL AUTO_INCREMENT,  
  `domain` varchar(45) DEFAULT NULL,  
  `company_id` int DEFAULT NULL,  
  `student_id` int,  
  `company` varchar(100),  
  `company_email` varchar(100),  
  PRIMARY KEY (`internship_id`),  
  KEY `company_id` (`company_id`),  
  FOREIGN KEY (student_id) REFERENCES student(student_id),  
  CONSTRAINT `internship_ibfk_1` FOREIGN KEY (`company_id`) REFERENCES `company`  
  (`company_id`)  
)
```

```
CREATE TABLE `law` (  
  `law_id` int NOT NULL AUTO_INCREMENT,  
  `email` varchar(45) DEFAULT NULL,  
  `mobile` varchar(10) DEFAULT NULL,
```

```
`university_id` int DEFAULT NULL,  
PRIMARY KEY (`law_id`),  
KEY `university_id` (`university_id`),  
CONSTRAINT `law_ibfk_1` FOREIGN KEY (`university_id`) REFERENCES `university` (`university_id`)  
)
```

```
CREATE TABLE `like` (  
  `like_id` int NOT NULL AUTO_INCREMENT,  
  `query_id` int DEFAULT NULL,  
  PRIMARY KEY (`like_id`),  
  KEY `query_id_idx` (`query_id`),  
  CONSTRAINT `query_id` FOREIGN KEY (`query_id`) REFERENCES `queries` (`query_id`)  
)
```

```
CREATE TABLE `loan` (  
  `loan_id` int NOT NULL AUTO_INCREMENT,  
  `amount` varchar(7) DEFAULT NULL,  
  `student_id` int DEFAULT NULL,  
  `bank_id` int DEFAULT NULL,  
  PRIMARY KEY (`loan_id`),  
  KEY `student_id_idx` (`student_id`),  
  KEY `bank_id_idx` (`bank_id`),  
  CONSTRAINT `bank_id` FOREIGN KEY (`bank_id`) REFERENCES `bank` (`bank_id`),  
  CONSTRAINT `student_id` FOREIGN KEY (`student_id`) REFERENCES `student` (`student_id`)  
)
```

```
CREATE TABLE `marketing` (  
  `marketing_id` int NOT NULL AUTO_INCREMENT,
```



```
`marketing_id` int NOT NULL AUTO_INCREMENT,  
`name` varchar(45) DEFAULT NULL,  
`mobile` varchar(10) DEFAULT NULL,  
`domain` varchar(45) DEFAULT NULL,  
`email` varchar(45) DEFAULT NULL,  
PRIMARY KEY (`marketing_id`)  
)
```

```
CREATE TABLE `mba` (  
  `mba_id` int NOT NULL AUTO_INCREMENT,  
  `email` varchar(45) DEFAULT NULL,  
  `mobile` varchar(10) DEFAULT NULL,  
  `university_id` int DEFAULT NULL,  
  PRIMARY KEY (`mba_id`),  
  KEY `university_id` (`university_id`),  
  CONSTRAINT `mba_ibfk_1` FOREIGN KEY (`university_id`) REFERENCES `university` (`university_id`)  
)
```

```
CREATE TABLE `medical` (  
  `medical_id` int NOT NULL AUTO_INCREMENT,  
  `email` varchar(45) DEFAULT NULL,  
  `mobile` varchar(10) DEFAULT NULL,  
  `university_id` int DEFAULT NULL,  
  PRIMARY KEY (`medical_id`),  
  KEY `university_id` (`university_id`),  
  CONSTRAINT `medical_ibfk_1` FOREIGN KEY (`university_id`) REFERENCES `university`  
  (`university_id`)  
)
```

```
CREATE TABLE `mobile` (  
  `mobile_id` int NOT NULL AUTO_INCREMENT,  
  `mobile` varchar(10) DEFAULT NULL,  
  `student_id` int,  
  FOREIGN KEY (student_id) REFERENCES student(student_id),  
  PRIMARY KEY (`mobile_id`)  
)
```

```
CREATE TABLE `queries` (  
  `query_id` int NOT NULL AUTO_INCREMENT,  
  `title` varchar(20) DEFAULT NULL,  
  `description` varchar(200) DEFAULT NULL,  
  `domain` varchar(100) DEFAULT NULL,  
  `date` date DEFAULT NULL,  
  `student_id` int DEFAULT NULL,  
  `faculty_id` int,  
  PRIMARY KEY (`query_id`),  
  FOREIGN KEY (student_id) REFERENCES student(student_id),  
  FOREIGN KEY (faculty_id) REFERENCES faculty(faculty_id),  
  KEY `student_id` (`student_id`),  
  CONSTRAINT `queries_ibfk_1` FOREIGN KEY (`student_id`) REFERENCES `student` (`student_id`)  
)
```

```
CREATE TABLE `student` (  
  `student_id` int NOT NULL AUTO_INCREMENT,
```

```

`name` varchar(100) DEFAULT NULL,
`email` varchar(30) DEFAULT NULL,
`password` varchar(20) DEFAULT NULL,
`mobile_id` int DEFAULT NULL,
PRIMARY KEY (`student_id`),
KEY `mobile_id` (`mobile_id`),
CONSTRAINT `student_ibfk_1` FOREIGN KEY (`mobile_id`) REFERENCES `mobile` (`mobile_id`)
)

```

```

CREATE TABLE `university` (
  `university_id` int NOT NULL AUTO_INCREMENT,
  `name` varchar(45) DEFAULT NULL,
  `email` varchar(45) DEFAULT NULL,
  `mobile` varchar(10) DEFAULT NULL,
  `student_id` int,
  PRIMARY KEY (`university_id`)
)

```

Normalization:

Normalization is a process reducing the redundancy of the database.

It is used to remove the deletion, insertion, update anomalies.

In the answer table:

A Foreign Key-> student_id is added to the table from the reference Student table.

A Foreign Key-> faculty_id is added to the table from the reference faculty table.

In the internship table:

A Foreign Key-> student_id is added to the table from the reference Student table.

In the loan table:

A Foreign Key-> student_id is added to the table from the reference Student table.

A Foreign Key-> bank_id is added to the table from the reference bank table.

In the mobile table:

A Foreign Key-> student_id is added to the table from the reference Student table.

In the queries table:

A Foreign Key-> student_id is added to the table from the reference Student table.

A Foreign Key-> faculty_id is added to the table from the reference faculty table.

In the bank table:

A Foreign Key-> student_id is added to the table from the reference Student table.

Inserting commands for tables:

```
INSERT INTO `account` VALUES (1,'10000',1,1),(2,'20000',1,2),(3,'15000',2,1);
```

```
INSERT INTO `advertise` VALUES (2,'Marketing for promoting studentguru ',1),(3,'digital adds for studentguru on social media',2);
```

```
INSERT INTO `answer` VALUES (1,1,'You can go for engineering. if you have any doubts about the stream to choose, reach out at sushobhan@studentguru.com '), (2,2,'You can go for Medical back ground. if you have any other interest mention them. '), (3,4,'as you have interest in biology and chemistry, you can go for Bio-chemistry'), (4,3,'You can go for Law or civil services or goverment jobs');
```

```
INSERT INTO `art` VALUES (1,'abcart@studentguru.com','70000000003',1), (2,'canvasart@studentgiri.com','70000000004',2), (3,'xyz@studentguru.com','70000000005',3);
```

```
INSERT INTO `bank` VALUES (1,'SBI','sbi@studentguru.com',7), (2,'American','american@studentguru.com',8);
```

```
INSERT INTO `comments` VALUES (1,'very good question',1), (2,'common question',2), (3,'unusual choosen stream ',3), (4,'very rare question',4);
```

```
INSERT INTO `company` VALUES (1,'Engg solutions','enggsolutions@studentguru.com','9000010000'), (2,'Ooha Hospitals','oohahospital@studentguru.com','9000020000'), (3,'Jfinance','jfinance@studentguru.com','9000030000');
```

```
INSERT INTO `dislikes` VALUES (3,1), (4,1), (2,2), (1,3);
```

```
INSERT INTO `engineering` VALUES
(1,'abcengg@studentguru.com','7000000006',1),(2,'canvasengg@studentguru.com','7000000007',2),
(3,'xyxengg@studentguru.com','7000000008',3);
```

```
INSERT INTO `faculty` VALUES (1,'sushobhan','sushobhan@studentguru.com','123456789',5);
```

```
INSERT INTO `finance` VALUES
(1,'abcfin@studentguru.com','7000000009',1),(2,'canvasfin@studentguru.com','8000000008',2),(3,'xyzfin@studentguru.com','8000000009',3);
```

```
INSERT INTO `law` VALUES
(1,'abclaw@studentguru.com','7500000000',1),(2,'canvaslaw@studentguru.com','7500000001',2),(3,'xyzlaw@studentguru.com','7500000002',3);
```

```
INSERT INTO `like` VALUES (3,1),(1,2),(4,2),(2,3);
```

```
INSERT INTO `loan` VALUES (1,'1500000',1,2),(2,'1000000',3,1);
```

```
INSERT INTO `marketing` VALUES
(1,'jo','8000000000','marketing','jo@studentguru.com'),(2,'su','8000000001','digital marketing','su@studentguru.com');
```

```
INSERT INTO `mba` VALUES
(1,'abcmba@studentguru.com','7500000003',1),(2,'canvasmba@studentguru.com','7500000004',2),(3,'xyzmba@studentguru.com','7500000005',3);
```

```
INSERT INTO `medical` VALUES
(1,'abcmedical@studentguru.com','7500000007',1),(2,'canvasmedical@studentguru.com','7500000008',2),(3,'xyzmedical@studentguru.com','7500000009',3);
```

```
INSERT INTO `mobile` VALUES
(1,'1234567890'),(2,'5678941234'),(3,'4586791230'),(4,'4458695230'),(5,'4450247896'),(6,'4567891234'),(7,'7000000000'),(8,'7000000001');
```

```
INSERT INTO `queries` VALUES (1,'MPC','I have very much interest in maths and physic, Which stream should i apply?','enineering',NULL,1),(2,'biology','I have very good knowledge in Biology which steam should i appply?','Medical',NULL,2),(3,'social','I am interested in social science, which stream should i apply?','social science',NULL,3),(4,'chemistry','I am good at chemistry, which stream should i apply','chemistry',NULL,2);
```

```
INSERT INTO `student` VALUES  
(1,'sukumar','sukumar@studentguru.com','123456789',6),(2,'rohit','rohit@studentguru.com','123456789',3),(3,'manohar','manoharr@studentguru.com','123456789',2);
```

```
INSERT INTO `university` VALUES  
(1,'ABC','abc@studentguru.com','9000000000'),(2,'CANVAS','canvas@studentguru.com','90000000001'),(3,'xyz','xyz@studentguru.com','90000000002');
```