**Weekly estimated goals**

|  |  |  |
| --- | --- | --- |
| Week #1 | Nov 10th - Nov 16th | * Determine technologies to be used * Decide on server and get access * Develop workflow of webapp * Decide Database schema * Java domain classes - done * Integrate java with database to populate data -done |
| Week #2 | Nov 17th - Nov 23rd | * Develop front end * Link it with database * Start on algorithm development |
| Week #3 | Nov 24th - Nov 30th | * Work on Algorithm implementation * Link front end and back end |
| Week #4 | Dec 8th - Dec 14th | * Test and fix any issues |

**Technologies and applications:-**

Frontend:-

HTML5, CSS3, AngularJS

Backend:-

Java, PHP

Database :

MySql - Apache LAMP server

No need for restful web API

AWS Elastic Beanstalk

AWS Relational Database Service (to handle web app and database)

http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/create\_deploy\_NET.quickstart.html

**Database details:**

*User:*

1. User\_Id ---> Primary key
2. Name Varchar
3. Username Varchar
4. Password Varchar
5. IsAdmin (boolean)

[CREATE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `mysql`.’User’ ( `User\_Id` [INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT , `Name` [VARCHAR](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(250)[NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Username` [VARCHAR](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(250) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Password` [VARCHAR](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(250) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL ,`Is\_Admin` [BOOLEAN](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , PRIMARY KEY (`User\_Id`)) ENGINE = InnoDB;

insert into User1(Name,Username,Password,Is\_Admin) values ("Rajdeep","raj","abc",1)

*TA:*

1. TA\_Id int
2. User\_Id int \*\*\*added
3. Area Varchar
4. Previous\_Courses\_Taught Varchar
5. Course\_Taught\_Last\_Semester int
6. Happy\_With\_Last\_Course\_Taught boolean
7. Has\_TA\_Experience Boolean
8. Has\_TA\_Experience\_For\_Number\_Of\_Semester int \*\*new columns
9. Milestones\_Id Varchar
10. IsActive int

[CREATE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `tadb`.`TA` ( `TA\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT , `User\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not)NULL , `Area` [VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Previous\_Courses\_Taught` [VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL ,`Course\_Taught\_Last\_Semester` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Happy\_With\_Last\_Course\_Taught`[BOOLEAN](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Has\_TA\_Experience` [BOOLEAN](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL ,`Has\_TA\_Experiance\_For\_Number\_Of\_Semester` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Milestones\_Id` [VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)[NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `IsActive` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , PRIMARY KEY (`TA\_Id`)) ENGINE = InnoDB;

insert into TA1 values(2,"AI","None","",0)

\*\* new table

Milestones:

1. Milestone\_Id primary key auto\_increment
2. Milestone\_Name varchar (Dissertation defense,Quals,Dissertation proposal,2nd year project/Master’s thesis defense,1st year proposal defense,None)
3. Ranking Score float(for now)

[CREATE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `tadb`.`Milestones` ( `Milestones\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT ,`Milestone\_Name` [VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(200) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Score` [VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(200) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , PRIMARYKEY (`Milestones\_Id`)) ENGINE = InnoDB;

*Course:*

1. Course\_ID int
2. Course\_Code Varchar (csci 561)
3. Course\_Name Varchar \*\*ADDED\*\*
4. Area Varchar
5. IsActive int
6. Number\_Of\_Half\_TA int
7. Number\_Of\_Full\_TA int

CREATE TABLE `tadb`.`Course` ( `Course\_Id` INT NOT NULL AUTO\_INCREMENT ,`Course\_Code` VARCHAR(250) NOT NULL , `Area` VARCHAR(250) NOT NULL ,`Number\_Of\_Half\_TA` INT NOT NULL , `Number\_Of\_Full\_TA` INT NOT NULL ,`IsActive` INT NOT NULL, PRIMARY KEY(`Course\_Id`)) ENGINE = InnoDB;

[Insert](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) into Course(Course\_Code,Area,Number\_Of\_Half\_TA,Number\_Of\_Full\_TA,IsActive) [VALUES](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values)("CS561","cognitive\_psychology",1,2,1)

Course\_Section:

1. Section\_Id int PRIMARY KEY
2. Course\_Id int
3. IsLecture boolean (if not lecture then lab)
4. Lecture\_Code
5. Lab\_Code
6. Time\_Slot\_Id int

[CREATE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `tadb`.`Course\_Section` ( `Section\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT ,`Course\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `IsLecture` [BOOLEAN](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Lecture\_Code`[VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(200) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Lab\_Code` [VARCHAR](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(200) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Time\_Slot\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not)NULL , PRIMARY KEY (`Section\_Id`)) ENGINE = InnoDB;

*TA\_Preferences:*

1. Id int
2. TA\_Id int
3. Course\_Id int
4. Has been TA before for this course Boolean
5. Interest\_Level int (high-2 medium-1 low-0)

CREATE TABLE `mysql`.`TA\_Preferences` ( `Id` INT NOT NULL , `TA\_Id` INT NOT NULL , `Course\_Id` INT NOT NULL , `Has\_Been\_TA\_For\_This\_Course` BOOLEAN NOT NULL,`Interest\_Level` INT NOT NULL ) ENGINE = InnoDB;

[ALTER](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [TABLE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) TA\_Preferences MODIFY COLUMN Id [INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) AUTO\_INCREMENT PRIMARY KEY

insert into TA\_Preferences1(TA\_Id,Course\_Id,Has\_Been\_TA\_For\_This\_Course,Interest\_Level)   
values(2,1,0,3)

TA\_Time\_Constraints:

1. Constraints\_Id int
2. TA\_Id int
3. Time\_Interval\_Not\_Available\_Id int

[CREATE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `mysql`.`TA\_Time\_Constraints` ( `Constraints\_Id` [INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `TA\_Id`[INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Time\_Interaval\_Not\_Avilable\_Id` [INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , PRIMARY KEY(`Constraints\_Id`)) ENGINE = InnoDB;

[ALTER](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [TABLE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) TA\_Time\_Constraints MODIFY COLUMN Constraints\_Id [INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) AUTO\_INCREMENT

Time\_Intervals

1. Time\_Slot\_Id int
2. Start\_Time time
3. End\_Time time
4. Day Varchar

[CREATE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `mysql`.`Time\_Intervals` ( `Time\_Slot\_Id` [INT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL ,`Time\_Duration` [TIME](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Day` [VARCHAR](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(250) [NOT](http://localhost:8888/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , PRIMARY KEY(`Time\_Slot\_Id`)) ENGINE = InnoDB;

ALTER TABLE Time\_Intervals MODIFY COLUMN Time\_Slot\_Id INT AUTO\_INCREMENT

Matching

1. Matching\_Id Primary Key Int
2. Run\_Id int (increments every time the matching algorithm is run to keep track)
3. Allotment\_Id int (represents the index of matching list from each of the multiple matches from one run)
4. TA\_Id int
5. Section\_Id int
6. IsActive int (to allow admin override)

[CREATE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) `tadb`.`Matching` ( `Matching\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT ,`Run\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `Allotment\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `TA\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL ,`Section\_Id` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , `IsActive` [INT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html) [NOT](http://localhost:8877/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL , PRIMARY KEY (`Matching\_Id`))ENGINE = InnoDB;

Admin\_Matching

1. Admin\_Matching\_Id Primary Key Int
2. TA\_Id int
3. Section\_Id int
4. IsActive int (to allow admin override)

Text file with Admin Rules.

User research area as a main weight for matching

Excel with data

**Open Question:**

1. **After how many course allocation TA is not considered further i.e; each TA can have atmost how many courses/sections ?**
2. **Can a TA have multiple sections of a Course.**
3. **If Area does not match, but ranking system gives high value for other fields, who gets preference**
   1. **We can resolve this by giving a high value if area matches?**

For Algorithm Continue On Next Page:

Algorithm

Top Level Information Initialize :

1. Course Object Array[] :No\_Of\_Full\_TA, No\_Of\_Half\_TA, Time\_Slot, Section Object[]

Section Object Array[] : No\_Of\_Full\_TA, No\_Of\_Half\_TA, Time\_Slot

1. TA Object Array [] : Course\_Preferences (Highly[], Medium[],Low[]) in each Object

Ranking System Function(TA1,TA2)

1. Assign weights as per given excel rules and get integer value
2. If Area matches give high score (ex. 3 ?)
3. Add other rules (that is refer to table/Object containing other rules)
4. Do we take into consideration how many courses this TA has been already allotted/can do ?

Return TA with higher score.

Evaluate (Course[] ,TA[]) {

For each available TA

For all courses with preference High,Medium,Low {

If (course\_time\_slot avilable + section\_time\_slot avilable matches) }{

If (course\_has\_ta\_slot\_avilable) {

Assign this TA to it(either full or half)

} else {

Call Ranking System Function(TA1,TA2);

If its this TA replace the other TA and add TA to free pool(based on if the TA doesn’t have any other course already allotted)

}

}

}

After iteration of high prefered,

* remove the filled section\_slots with allotted ta ids if fully filled, otherwise reduce the no. of TA required fr that slot and repeat.
* Remove the TA’s used in above allocation
* Repeat with remaining free ta and available list of section slots

}

**Srinidhi database info**

(users)

Admin : username:admin

Password:admin123

TA: username: snandaku

Password: test123

**Admin Dashboard:**

1. Home: admin.html - dashboard home
2. Users: admin-users.html - can see users signed up on portal ;
   1. admin-view-users.html : add/delete/update user details
   2. admin-view-user-preferences.html add/delete/update user’s preferences
3. Courses: admin-courses.html - can see all courses; add/delete/update courses
4. Match: admin-match.html - can click a button to execute java code: can see matching produced on the same page.

**User Dashboard:**

Home: user.html - dashboard home

Courses: user-courses.html - can choose from courses and submit , can edit responses, can delete

Match: user-match.html - can view results of matching => course allotted to user(ta) and can vote for rematching or say that they are satisfied

TEST DATA:

INSERT INTO `Course` (`Course\_Id`, `Course\_Code`, `Area`, `Number\_Of\_Half\_TA`, `Number\_Of\_Full\_TA`, `Preference1`, `Preference2`) VALUES

(1, 'CS561', 'cognitive\_psychology', 1, 2, 'Has TA experience', 'Has been TA before for this course'),

(2, 'CS561', 'Statistics', 0, 2, 'Has TA experience', 'Has been TA before for this course'),

(3, 'CS561', 'Statistics', 0, 2, 'Has been TA before for this course', 'Has TA experience');

INSERT INTO `Course\_Section` (`Section\_Id`, `Course\_Id`, `Time\_Slot\_Id`, `Is\_Lecture`) VALUES

(1, 1, 1, 0),

(2, 1, 2, 0),

(3, 2, 1, 0),

(4, 2, 2, 0),

(5, 3, 1, 0),

(6, 3, 2, 0),

(7, 1, 4, 1),

(8, 2, 5, 1),

(10, 3, 6, 1);

\*\*\*\* milestone table

CREATE TABLE `Milestones` (  
 `Milestones\_Id` int(11) NOT NULL,  
 `Milestone\_Name` varchar(200) NOT NULL,  
 `Score` decimal(3,2) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
  
--  
-- Dumping data for table `Milestones`  
--  
  
INSERT INTO `Milestones` (`Milestones\_Id`, `Milestone\_Name`, `Score`) VALUES  
(4, 'Dissertation defense', '1.50'),  
(6, 'Quals Part 1 (Review Paper)', '1.00'),  
(10, 'Dissertation proposal', '1.00'),  
(11, '2nd year project/Masters thesis defense', '0.75'),  
(12, '1st year proposal defense', '0.50'),  
(13, 'None', '0.00');  
  
--  
-- Indexes for dumped tables  
--  
  
--  
-- Indexes for table `Milestones`  
--  
ALTER TABLE `Milestones`  
 ADD PRIMARY KEY (`Milestones\_Id`);  
  
--  
-- AUTO\_INCREMENT for dumped tables  
--  
  
--  
-- AUTO\_INCREMENT for table `Milestones`  
--  
ALTER TABLE `Milestones`  
 MODIFY `Milestones\_Id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=14;

\*\*\*\*\*\*\*\*\*\*\*\*

INSERT INTO `TA1` (`Area`, `Previous\_Courses\_Taught`, `Happy\_With\_Previous\_Courses\_Taught`, `Has\_TA\_Experience`, `TA\_Id`, `Has\_TA\_Experiance\_For\_Number\_Of\_Semester`, `Milestones\_Id`) VALUES

('Statistics', '', '', 0, 1, 1, 4),

('AI', 'None', '', 0, 2, 0, 6),

('Statistics', '1,2', '0,1', 1, 3, 2, 10),

('cognitive\_psychology', '1', '1', 1, 4, 0, 11),

('Statistcs', '', '', 0, 5, 0, 12),

('cognitive\_psychology', '2', '1', 1, 6, 3, 13),

('cognitive\_psychology', '1,2,3', '1,0,1', 1, 7, 0, 4),

('Statistics', '', '', 0, 8, 1, 6);

INSERT INTO `TA\_Preferences1` (`Id`, `TA\_Id`, `Course\_Id`, `Has\_Been\_TA\_For\_This\_Course`, `Interest\_Level`) VALUES

(1, 2, 1, 0, 3),

(2, 1, 1, 0, 1),

(3, 1, 2, 1, 2),

(4, 1, 3, 0, 3),

(5, 3, 3, 0, 1),

(6, 3, 2, 1, 2),

(7, 3, 1, 0, 3),

(8, 4, 3, 0, 2),

(9, 4, 2, 1, 1),

(10, 4, 1, 0, 3),

(11, 5, 3, 1, 2),

(12, 5, 2, 1, 1),

(13, 5, 1, 0, 3),

(14, 6, 3, 0, 1),

(15, 6, 2, 1, 3),

(16, 6, 1, 1, 2),

(17, 7, 3, 0, 3),

(18, 7, 2, 0, 2),

(19, 7, 1, 0, 1),

(20, 8, 3, 0, 3),

(21, 8, 2, 0, 2),

(22, 8, 1, 0, 1),

(23, 2, 3, 0, 2),

(24, 2, 2, 1, 1);

**NOTES FROM MEETING ON 29th November 2017**

* All sections are labs, each lab is mapped to a lecture- each ta can do two sections from the same lec
* TA\_preference interest level 1to 5
* Errors in Delete in all delete pages
* Add active/inactive for courses
* Users:-
* GET MOST RECENT COURSE taught and are you happy with that
* Course- append to the list and not update
* Admin override- before matching: add TAs for a course
* LATER: take ta time constraints with reasons ( class, family, other etc)
* Remove preferences for course
* For days , give more than one day option.
* Drop down for time
* Different lectures treated as different classes.
* Add a dummy section if a lecture doesn’t have a lab
* Assign a TA to the other lab section for 25%
* If quant course is not yet fully filled by quant-ta,other course ta should be able to do it.