Project title

**FEST MANAGEMENT**

TEAM MEMBERS:

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**CREATION**

**DESCRIPTION**

**INSERTION**

AND **ALTERATION** OF TABLES

**Event Type Table**

CREATE TABLE `**event\_type**` (

`EvType\_ID` int(11) NOT NULL,

`Category` varchar(20) NOT NULL

);

ALTER TABLE `**event\_type**`

ADD PRIMARY KEY (`EvType\_ID`),

ADD UNIQUE KEY `Category` (`Category`);

DESC **EVENT\_TYPE**;

+-----------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-------------+------+-----+---------+----------------+

| EvType\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| Category | varchar(20) | NO | UNI | NULL | |

+-----------+-------------+------+-----+---------+----------------+

**Note :** Table **event\_type** is a table which is **pre-inserted** into database and user has no control on it but user is restricted to choose an event\_type which is defined by event\_type table.

INSERT INTO `**event\_type**` (`EvType\_ID`, `Category`) VALUES

(3, 'CULTURAL'),

(2, 'NON TECHNICAL'),

(1, 'TECHNICAL');

select \* from **event\_type**;

+-----------+---------------+

| EvType\_ID | Category |

+-----------+---------------+

| 3 | CULTURAL |

| 2 | NON TECHNICAL |

| 1 | TECHNICAL |

+-----------+---------------+

**Events Table**

CREATE TABLE `**events**` (

`Event\_ID` int(11) NOT NULL,

`EvType\_ID` int(11) NOT NULL,

`EvName` varchar(30) NOT NULL,

`Date` date NOT NULL,

`StartTime` time NOT NULL,

`EndTime` time NOT NULL,

`P\_Fees` int(11) NOT NULL,

`Prize` int(11) NOT NULL

);

ALTER TABLE `**events**`

ADD PRIMARY KEY (`Event\_ID`),

ADD UNIQUE KEY `EvName` (`EvName`),

ADD UNIQUE KEY `e1` (`EvType\_ID`,`EvName`);

ALTER TABLE `**events**`

ADD CONSTRAINT `events\_ibfk\_evtype\_id1` FOREIGN KEY (`EvType\_ID`) REFERENCES `event\_type` (`EvType\_ID`) ON DELETE CASCADE ON UPDATE CASCADE;

DESC **EVENTS**;

+-----------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-------------+------+-----+---------+----------------+

| Event\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| EvType\_ID | int(11) | NO | MUL | NULL | |

| EvName | varchar(30) | NO | UNI | NULL | |

| Date | date | NO | | NULL | |

| StartTime | time | NO | | NULL | |

| EndTime | time | NO | | NULL | |

| P\_Fees | int(11) | NO | | NULL | |

| Prize | int(11) | NO | | NULL | |

+-----------+-------------+------+-----+---------+----------------+

**Note :** Table events is a table which is **pre-inserted** into database and user has no control on it but user is restricted to choose an event which is defined by events table.

INSERT INTO `**events**` (`Event\_ID`, `EvType\_ID`, `EvName`, `Date`, `StartTime`, `EndTime`, `P\_Fees`, `Prize`) VALUES

(1, 1, 'Cadd Designing', '2019-03-30', '13:00:00', '15:00:00', 100, 10000),

(2, 1, 'Capture The Flag', '2019-03-30', '14:00:00', '15:00:00', 100, 2000),

(3, 1, 'Code Relay', '2019-03-30', '15:00:00', '17:00:00', 100, 15000),

(4, 1, 'Fifa', '2019-03-30', '13:00:00', '17:00:00', 100, 15000),

(5, 2, 'Arm Wrestling', '2019-03-29', '15:00:00', '17:00:00', 50, 1000),

(6, 2, 'Blind Fold Maze', '2019-03-29', '13:00:00', '15:00:00', 50, 2000),

(7, 2, 'Gully Cricket', '2019-03-29', '10:00:00', '17:00:00', 50, 10000),

(8, 2, 'Futsal', '2019-03-29', '13:00:00', '16:00:00', 50, 3000),

(9, 3, 'Creative Writing', '2019-03-31', '12:00:00', '14:00:00', 75, 1000),

(10, 3, 'Dance', '2019-03-31', '14:00:00', '17:00:00', 75, 5000),

(11, 3, 'General Quiz', '2019-03-31', '15:00:00', '16:00:00', 75, 2000),

(12, 3, 'Singing', '2019-03-31', '15:00:00', '18:00:00', 75, 4000);

select \* from events;

+----------+-----------+------------------+------------+-----------+----------+--------+-------+

| Event\_ID | EvType\_ID | EvName | Date | StartTime | EndTime | P\_Fees | Prize |

+----------+-----------+------------------+------------+-----------+----------+--------+-------+

| 1 | 1 | Cadd Designing | 2019-03-30 | 13:00:00 | 15:00:00 | 100 | 10000 |

| 2 | 1 | Capture The Flag | 2019-03-30 | 14:00:00 | 15:00:00 | 100 | 2000 |

| 3 | 1 | Code Relay | 2019-03-30 | 15:00:00 | 17:00:00 | 100 | 15000 |

| 4 | 1 | Hackathon | 2019-03-30 | 13:00:00 | 17:00:00 | 100 | 15000 |

| 5 | 1 | Line Follower | 2019-03-30 | 16:00:00 | 18:00:00 | 100 | 3000 |

| 6 | 2 | Arm Wrestling | 2019-03-29 | 15:00:00 | 17:00:00 | 50 | 1000 |

| 7 | 2 | Bridge Building | 2019-03-29 | 13:00:00 | 15:00:00 | 50 | 2000 |

| 8 | 2 | Gully Cricket | 2019-03-29 | 10:00:00 | 17:00:00 | 50 | 10000 |

| 9 | 2 | City Tycoon | 2019-03-29 | 13:00:00 | 16:00:00 | 50 | 3000 |

| 10 | 2 | Face Painting | 2019-03-29 | 14:00:00 | 15:00:00 | 50 | 1500 |

| 11 | 3 | Creative Writing | 2019-03-31 | 12:00:00 | 14:00:00 | 75 | 1000 |

| 12 | 3 | Tarz E Libas | 2019-03-31 | 14:00:00 | 15:00:00 | 75 | 10000 |

| 13 | 3 | Nritya | 2019-03-31 | 14:00:00 | 17:00:00 | 75 | 5000 |

| 14 | 3 | General Quiz | 2019-03-31 | 15:00:00 | 16:00:00 | 75 | 2000 |

| 15 | 3 | Talent Hunt | 2019-03-31 | 15:00:00 | 18:00:00 | 75 | 4000 |

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**Users Registration Table**

CREATE TABLE `**users**` (

`User\_ID` int(11) NOT NULL,

`Name` varchar(30) NOT NULL,

`Institution` varchar(40) NOT NULL,

`Contact` varchar(10) NOT NULL DEFAULT '9XXXXXXXX0',

`Email` varchar(30) NOT NULL,

`Password` varchar(30) NOT NULL,

`User\_type` char(1) NOT NULL

);

ALTER TABLE `**users**`

ADD PRIMARY KEY (`User\_ID`),

ADD UNIQUE KEY `Email` (`Email`),

ADD UNIQUE KEY `u1` (`Contact`),

ADD KEY `u2` (`User\_type`);

DESC **USERS**;

+-------------+-------------+------+-----+------------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-------------+------+-----+------------+----------------+

| User\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| Name | varchar(30) | NO | | NULL | |

| Institution | varchar(40) | NO | | NULL | |

| Contact | varchar(10) | NO | UNI | 9XXXXXXXX0 | |

| Email | varchar(30) | NO | UNI | NULL | |

| Password | varchar(30) | NO | | NULL | |

| usertype | char(1) | NO | | NULL | |

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**Note :** Table **users** is a table which is not pre-inserted into database and it is a user derived table ,the values are inserted according to the action taken by user on front end and a User\_ID is assigned to that user.

**Fest Management Team Table**

CREATE TABLE `**fm\_team**` (

`M\_ID` int(11) NOT NULL,

`User\_ID` int(11) NOT NULL,

`Event\_ID` int(11) NOT NULL,

`Role` char(1) NOT NULL

);

ALTER TABLE `**fm\_team**`

ADD PRIMARY KEY (`M\_ID`),

ADD UNIQUE KEY `User\_ID` (`User\_ID`);

ALTER TABLE `**fm\_team**`

ADD CONSTRAINT `fm\_team\_ibfk\_event\_id` FOREIGN KEY (`Event\_ID`) REFERENCES `events` (`Event\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `fm\_team\_ibfk\_user\_id` FOREIGN KEY (`User\_ID`) REFERENCES `users` (`User\_ID`) ON DELETE CASCADE ON UPDATE CASCADE;

DESC **FM\_TEAM**;

+----------+---------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+----------+---------+------+-----+---------+----------------+

| M\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| User\_ID | int(11) | NO | UNI | NULL | |

| Event\_ID | int(11) | NO | | NULL | |

| Role | char(1) | NO | | NULL | |

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**Note :** Table **fm\_team** is a table which is not pre-inserted into database and it is a user derived table ,the values are inserted according to the action taken by user on front end and a M\_ID is assigned to that user who wish to be a coordinator or volunteer.

**Participants Registration Table as singles**

CREATE TABLE `**participants**` (

`P\_ID` int(11) NOT NULL,

`Event\_ID` int(11) NOT NULL,

`User\_ID` int(11) NOT NULL

);

ALTER TABLE `**participants**`

ADD PRIMARY KEY (`P\_ID`),

ADD UNIQUE KEY `p1` (`Event\_ID`,`User\_ID`),

ADD KEY `participants\_ibfk\_user\_id` (`User\_ID`);

ALTER TABLE `**participants**`

ADD CONSTRAINT `p\_single\_ibfk\_event\_id` FOREIGN KEY (`Event\_ID`) REFERENCES `events` (`Event\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `p\_single\_ibfk\_user\_id` FOREIGN KEY (`User\_ID`) REFERENCES `users` (`User\_ID`) ON DELETE CASCADE ON UPDATE CASCADE;

DESC **PARTICIPANTS**;

+----------+---------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+----------+---------+------+-----+---------+----------------+

| P\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| Event\_ID | int(11) | NO | MUL | NULL | |

| User\_ID | int(11) | NO | MUL | NULL | |

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**Note :** Table **participants** is a table which is not pre-inserted into database and it is a user derived table ,the values are inserted according to the action taken by user on front end and a P\_ID is assigned to that participant.

**Participating Team Registration Table**

CREATE TABLE `**p\_team**` (

`Team\_ID` int(11) NOT NULL,

`P1\_ID` int(11) NOT NULL,

`P2\_ID` int(11) NOT NULL,

`P3\_ID` int(11) DEFAULT NULL,

`P4\_ID` int(11) DEFAULT NULL,

`Event\_ID` int(11) NOT NULL

);

ALTER TABLE `**p\_team**`

ADD PRIMARY KEY (`Team\_ID`),

ADD UNIQUE KEY `t1` (`P1\_ID`,`Event\_ID`),

ADD UNIQUE KEY `t2` (`P2\_ID`,`Event\_ID`),

ADD UNIQUE KEY `t3` (`P3\_ID`,`Event\_ID`),

ADD UNIQUE KEY `t4` (`P4\_ID`,`Event\_ID`),

ADD UNIQUE KEY `dp1234eventid` (`Event\_ID`,`P1\_ID`,`P2\_ID`,`P3\_ID`,`P4\_ID`);

ALTER TABLE `**p\_team**`

ADD CONSTRAINT `events\_ibfk\_event\_id` FOREIGN KEY (`Event\_ID`) REFERENCES `events` (`Event\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `p\_team\_ibfk\_p1\_id` FOREIGN KEY (`P1\_ID`) REFERENCES `users` (`User\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `p\_team\_ibfk\_p2\_id` FOREIGN KEY (`P2\_ID`) REFERENCES `users` (`User\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `p\_team\_ibfk\_p3\_id` FOREIGN KEY (`P3\_ID`) REFERENCES `users` (`User\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `p\_team\_ibfk\_p4\_id` FOREIGN KEY (`P4\_ID`) REFERENCES `users` (`User\_ID`) ON DELETE CASCADE ON UPDATE CASCADE;

DESC **P\_TEAM** ;

+----------+---------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+----------+---------+------+-----+---------+----------------+

| Team\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| P1\_ID | int(11) | NO | MUL | NULL | |

| P2\_ID | int(11) | NO | MUL | NULL | |

| P3\_ID | int(11) | YES | MUL | NULL | |

| P4\_ID | int(11) | YES | MUL | NULL | |

| Event\_ID | int(11) | NO | MUL | NULL | |

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**Note :** Table **p\_team** is a table which is not pre-inserted into database and it is a user derived table ,the values are inserted according to the action taken by a team on front end and a Team\_ID is assigned to that team.

**Winners Table**

CREATE TABLE `**winners**` (

`Win\_ID` int(11) NOT NULL,

`Event\_ID` int(11) NOT NULL,

`P\_ID` int(11) DEFAULT NULL,

`Team\_id` int(11) DEFAULT NULL,

`Position` int(11) NOT NULL

);

ALTER TABLE `**winners**`

ADD PRIMARY KEY (`Win\_ID`),

ADD UNIQUE KEY `w3` (`Event\_ID`,`Position`),

ADD UNIQUE KEY `w2` (`Event\_ID`,`P\_ID`),

ADD UNIQUE KEY `w1` (`Event\_ID`,`Team\_id`),

ADD KEY `winners\_ibfk\_p\_id` (`P\_ID`),

ADD KEY `winners\_ibfk\_team\_id` (`Team\_id`);

ADD KEY `winners\_ibfk\_event\_id` (`event\_id`);

ALTER TABLE `**winners**`

ADD CONSTRAINT `winners\_ibfk\_event\_id` FOREIGN KEY (`Event\_ID`) REFERENCES `events` (`Event\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `winners\_ibfk\_p\_id` FOREIGN KEY (`P\_ID`) REFERENCES `participants` (`P\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `winners\_ibfk\_team\_id` FOREIGN KEY (`Team\_id`) REFERENCES `p\_team` (`Team\_ID`) ON DELETE CASCADE ON UPDATE CASCADE;

DESC **WINNERS**;

+----------+---------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+----------+---------+------+-----+---------+----------------+

| Win\_ID | int(11) | NO | PRI | NULL | auto\_increment |

| Event\_ID | int(11) | NO | MUL | NULL | |

| P\_ID | int(11) | YES | MUL | NULL | |

| Team\_ID | int(11) | YES | MUL | NULL | |

| Position | int(11) | NO | | NULL | |

+----------+---------+------+-----+---------+----------------+

**Note :** Table **winners** is a table which is not pre-inserted into database and it is a admin derived table ,the values are inserted according to the action taken by admin on backend and a Win\_ID is assigned to that participant or team.