

# CookingRecipePortal

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## Database management:

Schema :

Database : CookingRecipePortal

Tables:

1.Chef : chefID int , chefName varchar(30) , chefRating numeric(2,1)

primary key=chefID

2.Recipe : recipeID int , chefID int ,recipeName varchar(30), likes int ,  
dislikes int

primary key= recipeID

FOREIGN KEY = chefID REFERENCES to chef(chefID)

ON

DELETE CASCADE ON update

CASCADE

3.Linker : chefID int , recipeID int ,ingredient varchar(20)

FOREIGN KEY = chefID REFERENCES to chef(chefID)

ON

DELETE CASCADE ON update

CASCADE ,

FOREIGN KEY = recipeID REFERENCES to

recipe(recipeID) ON

DELETE CASCADE ON update

CASCADE

Triggers:

```
create trigger Rater1
after
update          on recipe          for each row
begin          set @likes:=(select sum(likes) from (select * from chef
natural join          recipe) as newtable where chefID=1
group by chefName);          set @dislikes:= (select sum(dislikes) from
(select * from chef natural          join recipe) as newtable where
chefID=1 group by chefName);
          update chef
          SET chefRating = @likes*5/(@likes +
@dislikes)          where chefID = 1;          end;
```

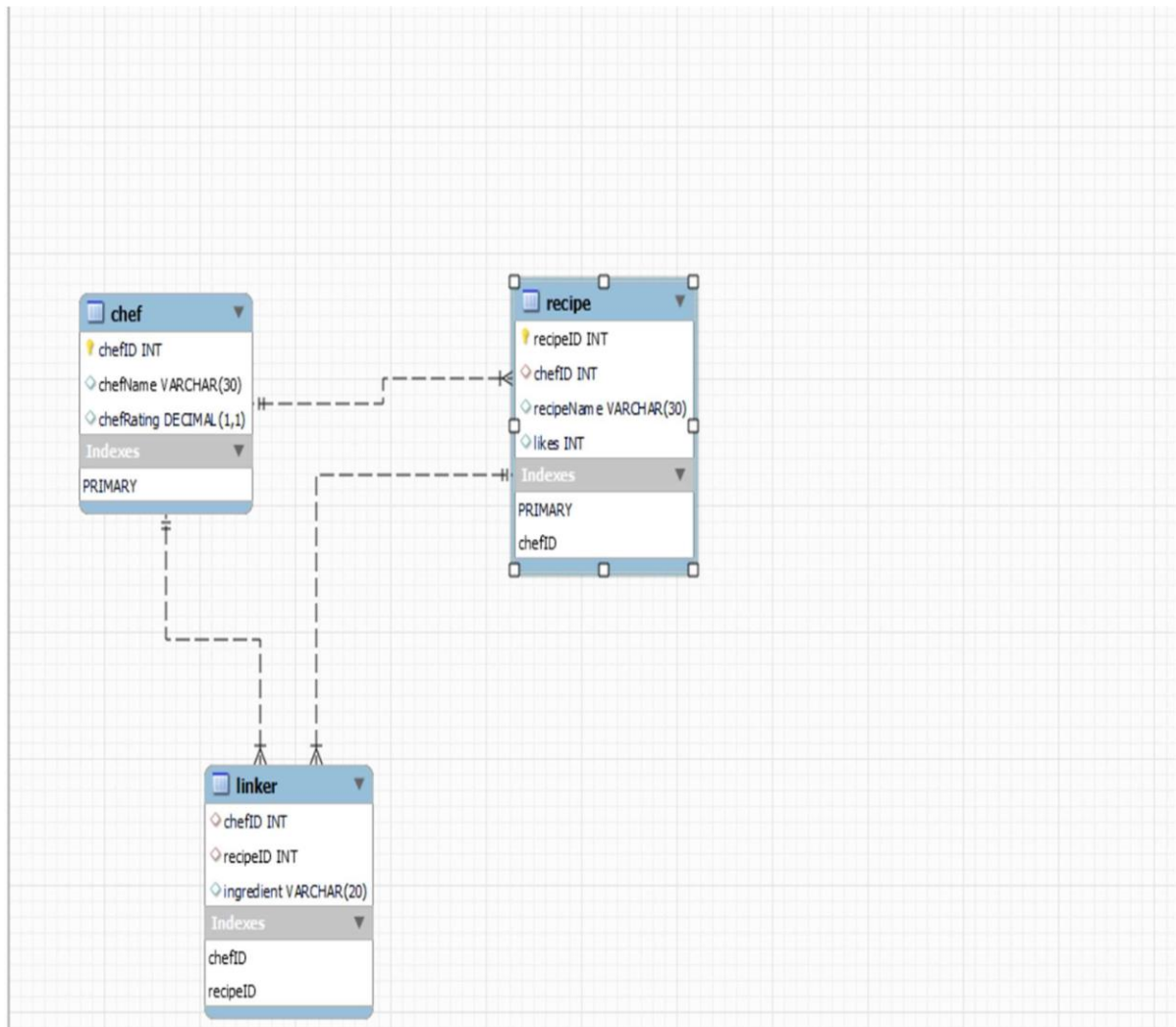
->there are total 5 triggers like above to rate chef according to:

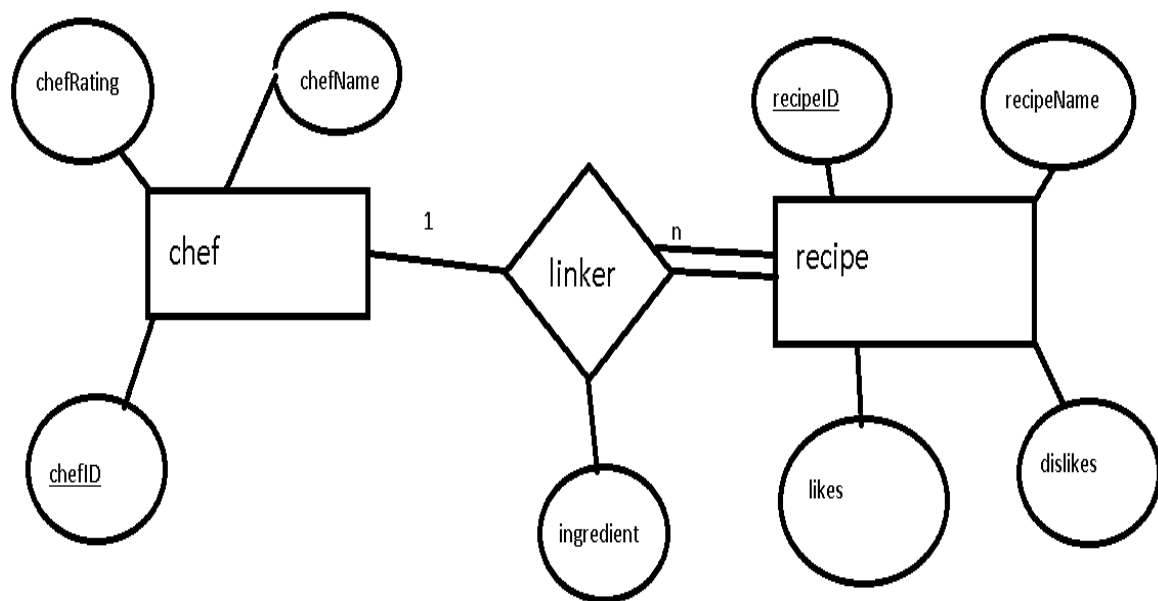
$$\text{chefRating} = @likes * 5 / (@likes + @dislikes)$$

->initially we have added 5 chefs so there are 5 triggers .after adding new

Chef new triggers will be initiated accordingly.

## ER diagram





## Execution of code

Initially CookingRecipePortal has 4 choices select 1 for admin, select 2 for chef, select 3 for Viewer, select 4 to exit . to Execute admin we need a password “pass@0987”, after successful login admin has 3 choices either add chef by selecting 1 ,fire chef by selecting 2 or admin can logout and go to main menu by selecting 3.

A chef has 4 choices either to add a recipe by selecting 1,remove a recipe by selecting 2,or update ingredients of recipe by selecting 3 or can go to main menu by selecting 4.

A viewer has few more choices viewer can view all recipes by selecting 1,Or Choose a recipe and view its ingredients by selecting 2 , choose a chef and view his recipe by selecting 3,or view all above average chef (by default we set min 2.5 rating chef is above average)by selecting 4or return to main menu by selecting 5.

A viewer must also like or dislike a recipe .