PUNE INSTITUTE OF COMPUTER TECHNOLOGY

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MINI PROJECT REPORT ON

“KITCHEN ASSISTANT”

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\*the above will be modified when the report is finalised.

# INTRODUCTION

KITCHEN ASSISTANT is a virtual cook book that will help you keep track of your ingredients and suggests delicious recipes based on those ingredients.  
In Kitchen Assistant you will save a lot of time by referring to recipes you customized to YOUR way of cooking.  
You can also use this application as a checklist you can quickly consult in shops while shopping for grocery and spices.  
Some sample recipes are embedded in order to show you how to better use this application.

# SCOPE

* Kitas is a versatile solution to all cooking related problems, a very good example to which is expanding its functionality for restaurant to manage its customized recipes.
* Customers can also use Kitas in selecting their preferences of recipes according to specific ingredients or type of food in restaurants.
* It can also be used as an inventory manager stand alone application as well.

For e.g:

Consider a restaurant with its head chef, say Monica, using Kitas application. Monica can easily divide her daily workload with Kitas in many ways, some of which can be listed below:

1. Monica’s daily routine starts with her listing down groceries and spices she would be needing, since she has updated the inventory on Kitas last night, she doesnt need to remember anything and doesn't have to worry about missing anything for the list either.
2. Now say, she has appointed a new chef to help her, being the head chef she cannot possibly teach him about her preference of cooking, instead, she decides to share her favorite recipes with him on Kitas, thereby saving her a ton of time.

On the other side of the coin, imagine a customer, say Ross. Ross has a tough time in restaurants due to his allergies to diary products and peanuts. He is tired of explaining his preferences every time he visits a new restaurant. Now lets see how with an outlet using Kitas can change this experience for him.

1. When Ross sits down to eat in the restaurant the waiter hands him a tablet with Kitas where he has an option of going through the recipes according to the ingredients specified by him. This makes ordering food for him not only convenient but also safe.
2. This is how both the customers and chef and use Kitas to make ordering and cooking easier.

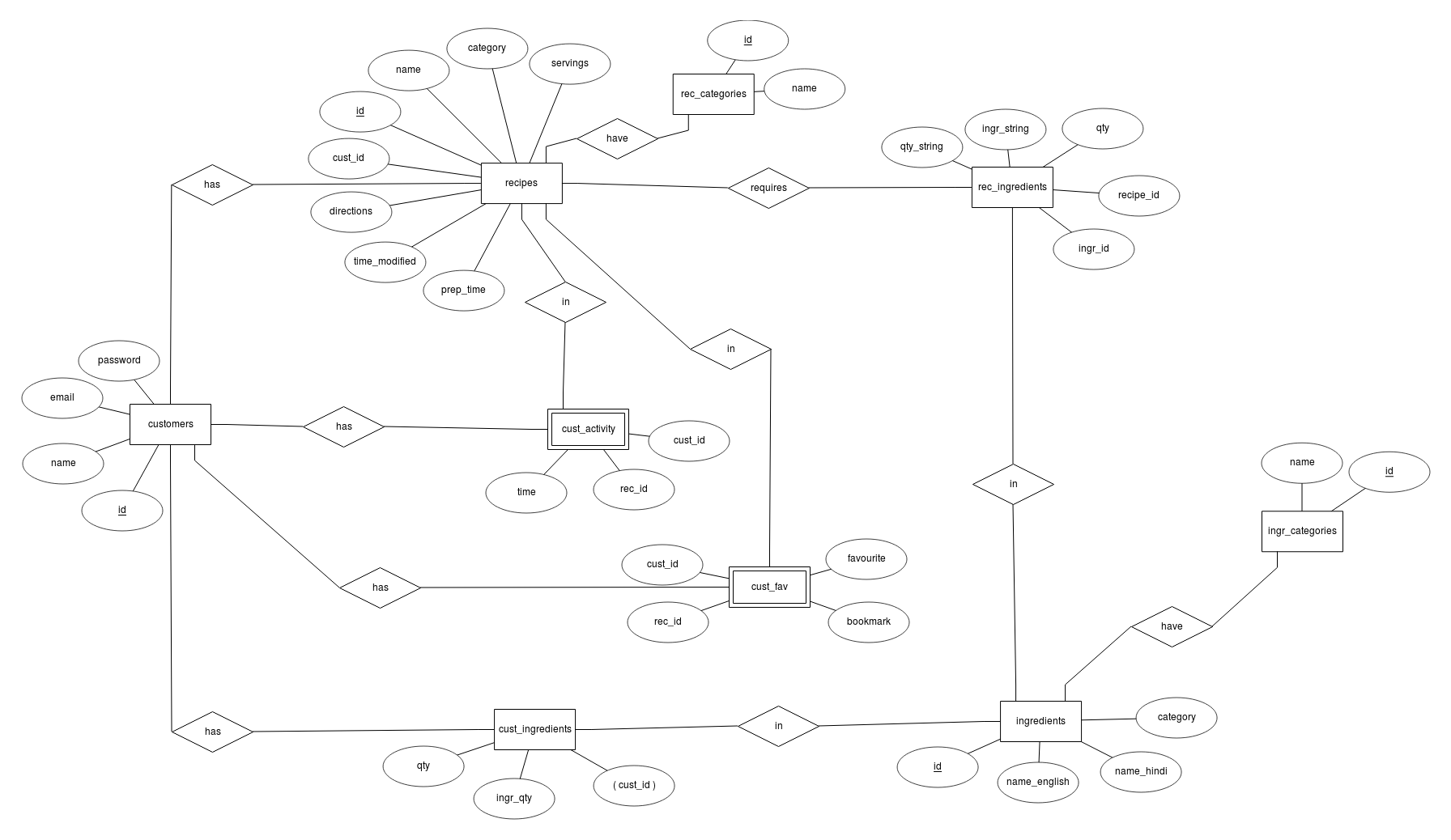
# LIMITATIONS

1. Limited recipes are embedded in our application.
2. Pre-defined ingredients are also added in a finite number.

# MAIN MODULES OF KITAS

* Customers
* Recipes
* Ingredients-wise search
* Categories-wise search
* Ingredient Tracking

# E-R Design



# TABLE LIST:

cust\_activity

cust\_fav

cust\_ingredients

customers

ingr\_categories

ingredients

rec\_categories

rec\_ingredients

recipes

# CODING:

create procedure list\_of\_ingredient(

in uid int, in iid int, in quantity varchar(20))

begin

insert into cust\_ingredients

values(uid, iid, quantity);

end //

create procedure up\_list\_of\_ingredient(

in uid int, in iid int, in quantity varchar(20))

begin

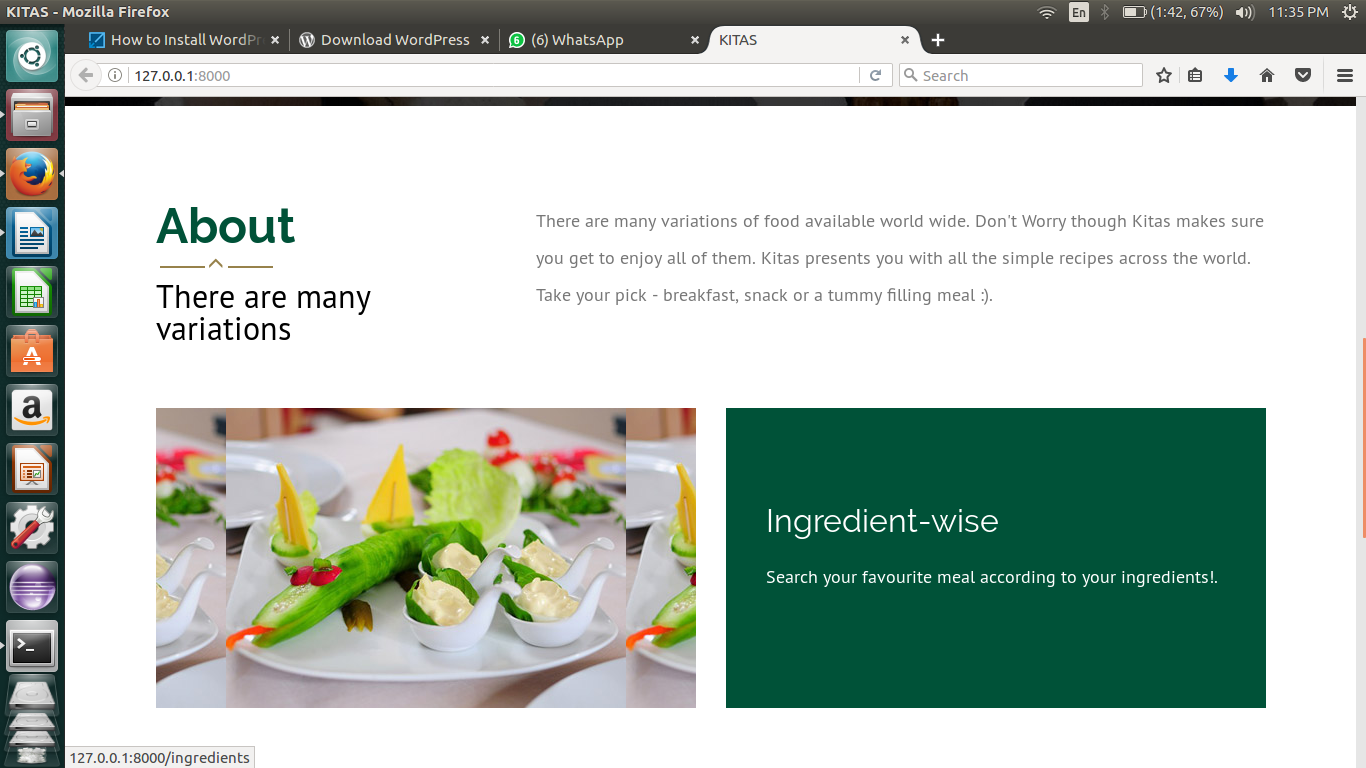
update cust\_ingredients

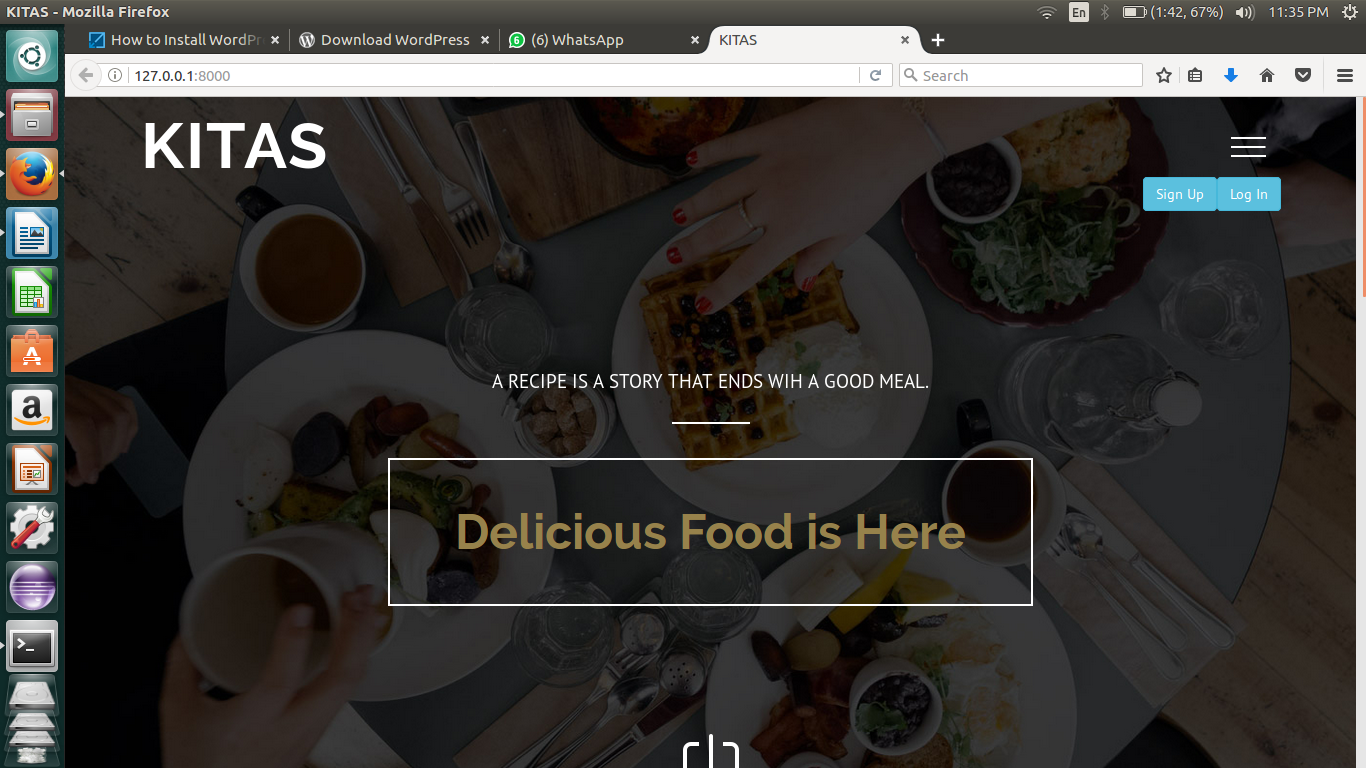
set qty=quantity

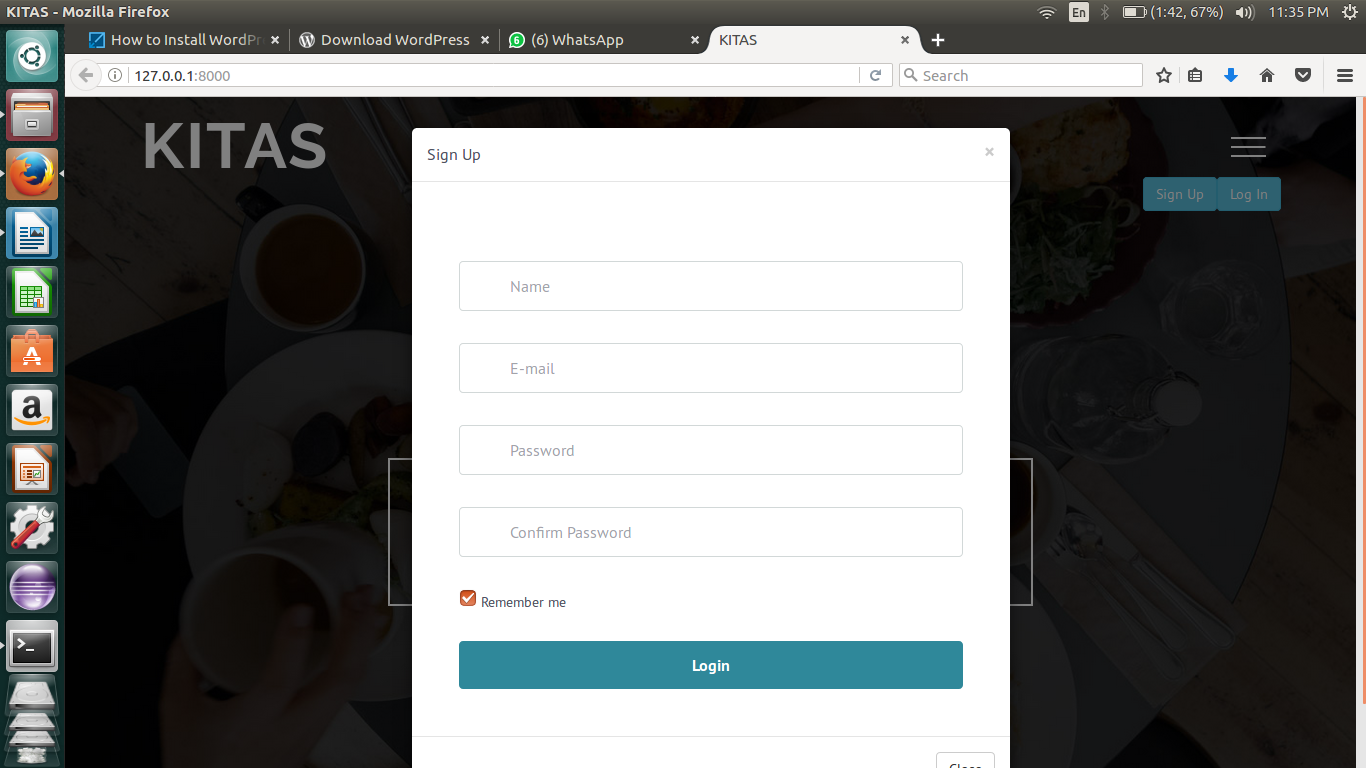
where cust\_id=uid and ingr\_id=iid ;

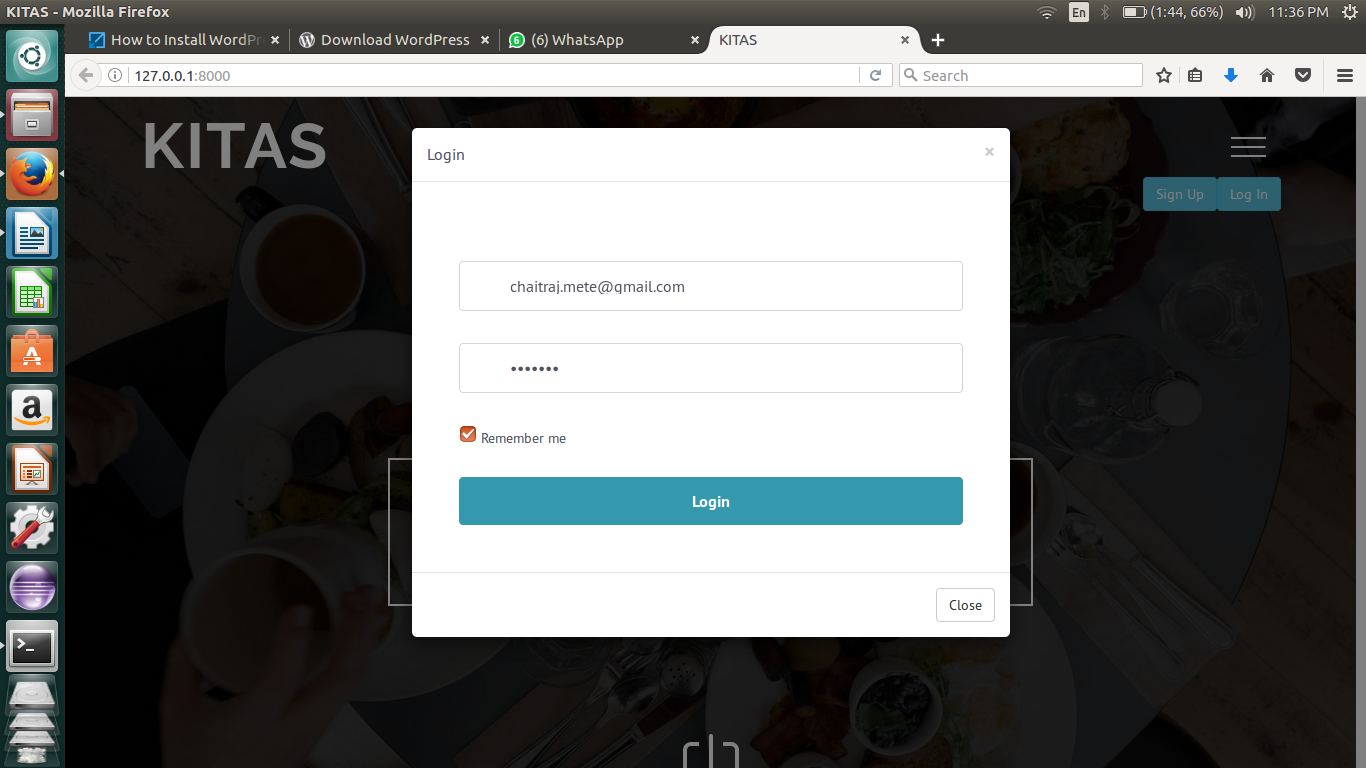
end //

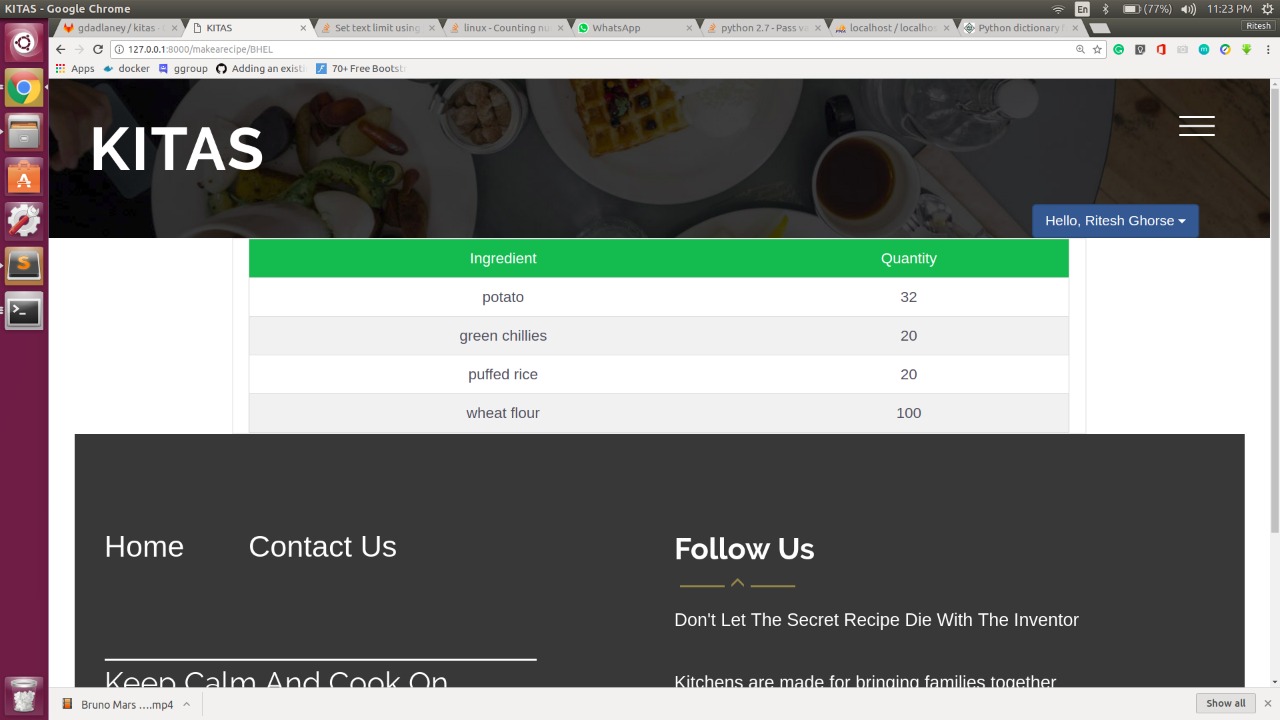
# Coding Snapshot & User Interface Snapshots

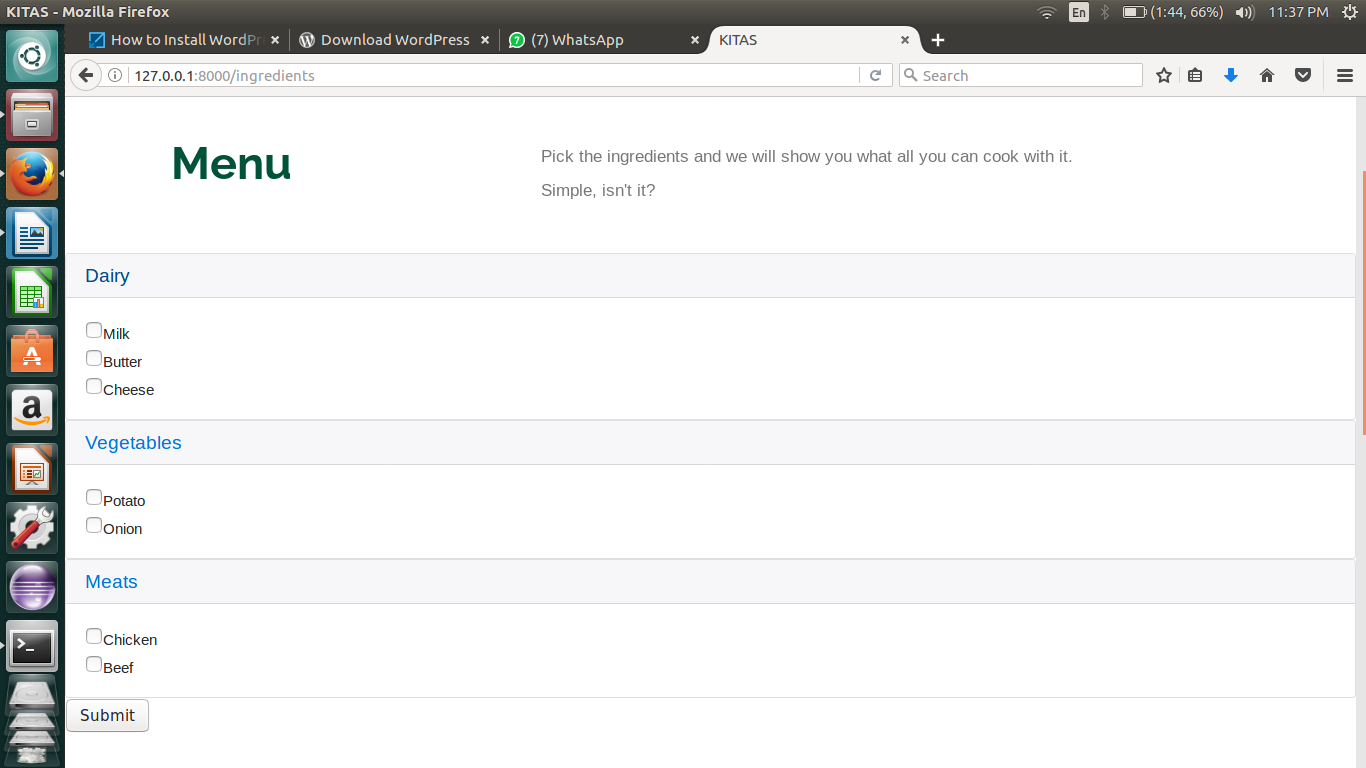


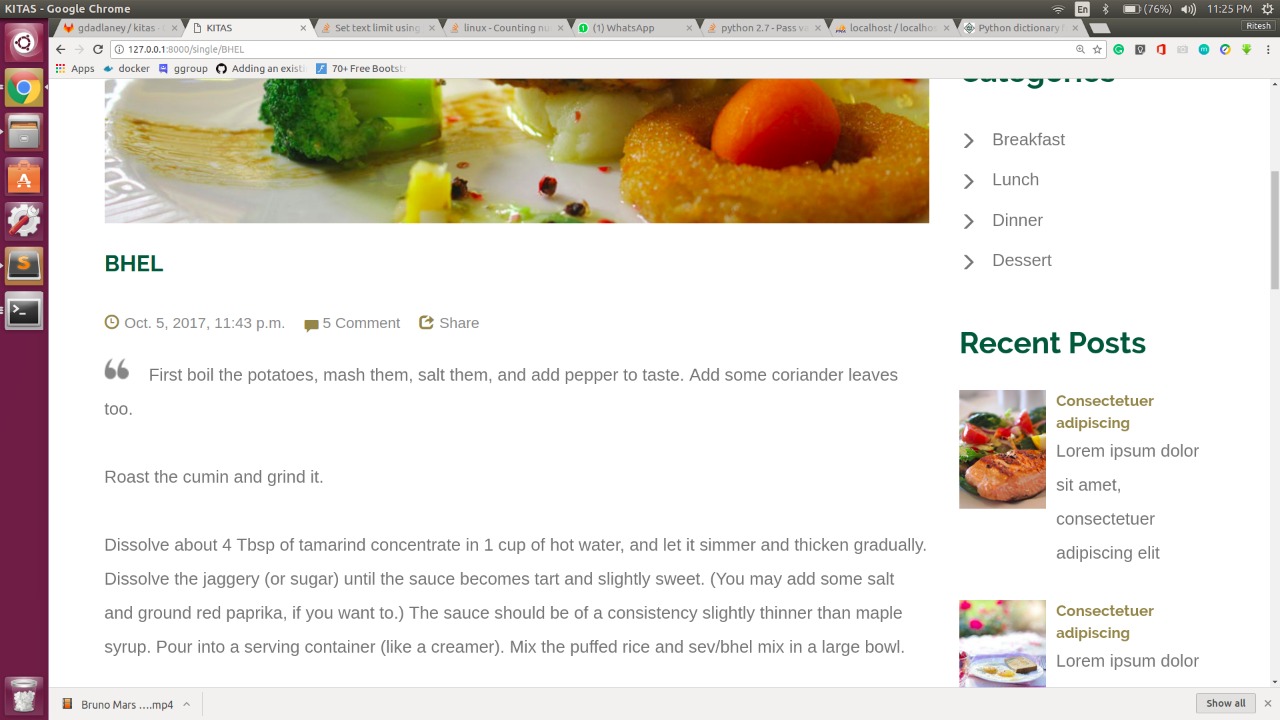
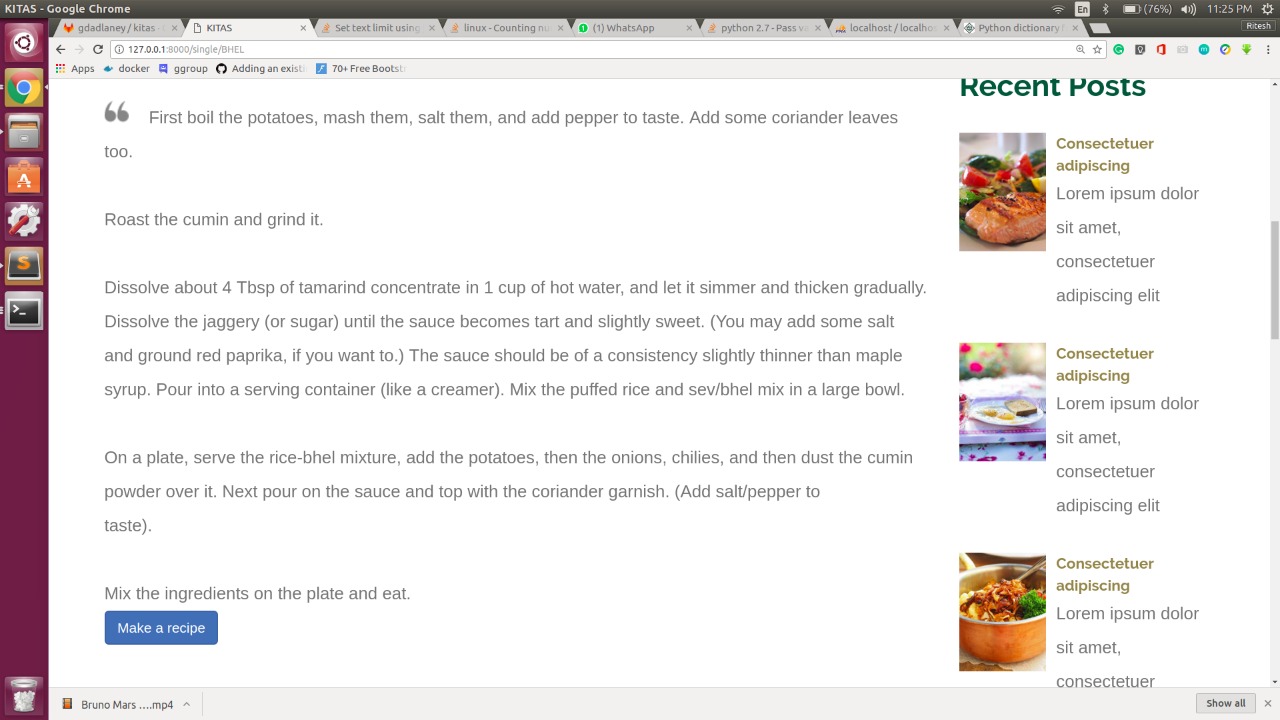


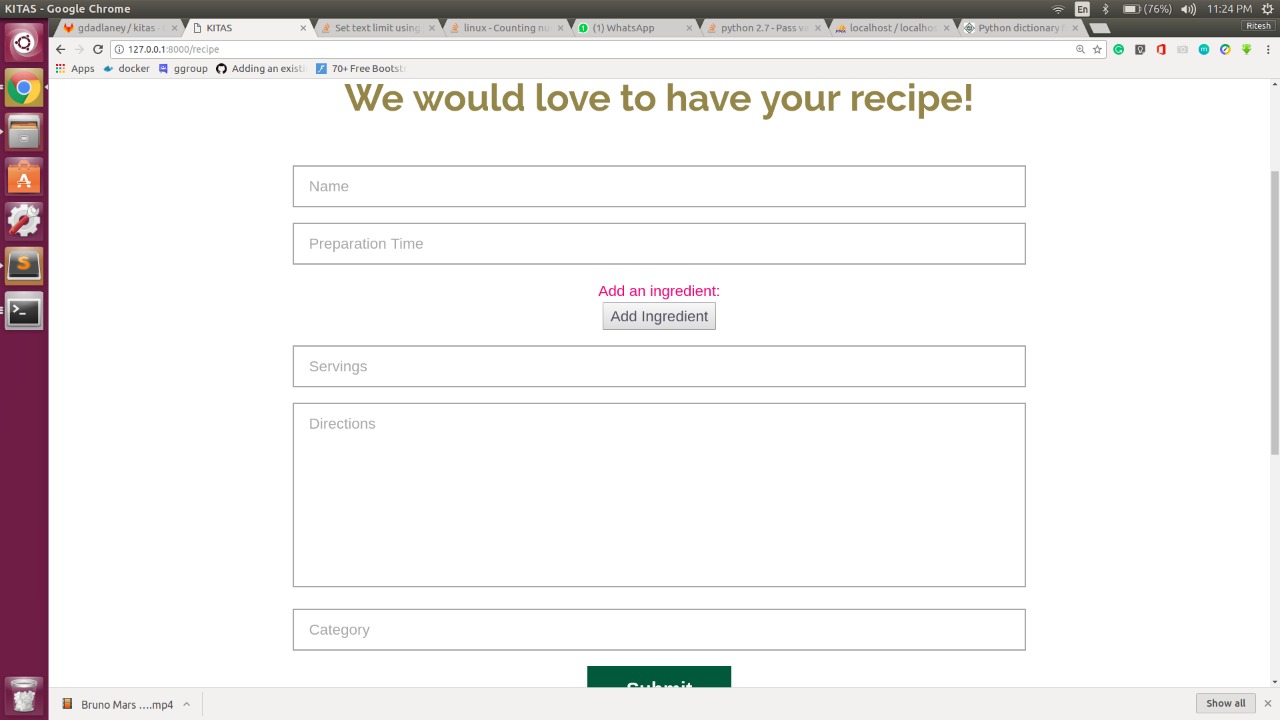












# CONCLUSION

The three parts which are essential for this project are User interface, Creation of relational database and SQL engine.

The Project is entirely based on database management system concepts. The back-end use for project is MySql and Django and front-end is HTML rendered by Django templating framework. The Coding of MySql queries through Django is properly done. The project is very feasible.

The software engineering concepts are used to implement the project. The requirement analysis is understood and done for this project.