**CS551 Advanced Software Engineering**

**Sustainable Food Utilization**

**Project Goal:**

Our goal is to use the leftover food of restaurant/hotel chains and use it in an effective/needful way.

**Motivation:**

Every year 1/3 rd of the food produced in the world is for the human consumption is wasted .There’s a lot of food going waste everyday all over the world and there are so many people dying out of hunger. Every 3.6 seconds a person dies of hunger.

**Significance:**

We will work towards diverting this excess food to the hunger struck areas and use it in an eventful and kind gesture towards humanity.

**Objective:**

We are designing a web application/mobile application to show how much food is utilized and how much food is wasted in hotels , this data we are diverting to NGOs so that we can effectively utilize wastage food. We are going to show statistics how much food is conserved using our application.

**System Features:**

The system is designed for two User groups: food suppliers and food distributors. Restaurant owners, event organizers and food supply chains come under the suppliers group, while the NGO’s come under the distributors group.

Food suppliers login to the system to provide details about the location, quantity of food and food availability timings.

Food distribution user can login to the system and search for the food supplier based on the location (city primarily) and redirect the food for the needy.

The food distributor can reserve the food supply by the any number of food providers for a particular day. If any food distributor reserves the food provided by any provider, no other distributor can reserve that post.

The available food posts will be cleared after the particular date.

**Related Work :**

<http://www.statisticbrain.com/world-hunger-statistics/>

<http://www.fao.org/save-food/key-findings/en/>

<http://developer.android.com/training/index.html>

**Backup project:**

**Event Organizing in your way**

Our main objective is to organize events such as marriage ceremony, birthday event etc. in customized way. Our Web application provides list of templates of events that we have organized for above events. Initially user needs to register, after that they will request to organize for an event, a search action will be provided to user. User can select event of their choice and then suggested templates will be displayed after that there will be an option to customize the template based on user preference, user can change background color, increase number of items as per their requirement, arrangement of chairs and tables etc. . We are also using a new existing Api which is provide by java 1.7 i.e. Java speech Api .Using this user can give input through voice our application understands and the design will be modified accordingly.

**Bibliography:**

<http://en.wikipedia.org/wiki/Java_Speech_API>

<https://www.google.com/search?biw=1366&bih=624&q=jquery+tutorial+for+beginners&oq=jquer&gs_l=serp.1.0.35i39l2j0i20j0j0i20j0l5.1739.4495.0.6386.20.11.1.0.0.3.140.833.7j2.9.0....0...1c.1.53.serp..14.6.469.0.owzG9sRTMKQ>

<http://www.w3schools.com/html/html5_intro.asp>

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