

# ***SMART BHOJAN***



***Team 5  
PANI PURI TEAM***

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## **PROJECT PROPOSAL**

### **Business Need:**

The goal of the project is to create an application helping its user create, manage and share their grocery list. Also, provide recipes to explore the chef inside them.

### **Motivation:**

In today's busy lifestyle, remembering and recalling what is and is not available in one's pantry is the last thing one would want to do. There have been many a times where one goes for grocery shopping and comes home to realize they forgot to buy something. Who enjoys taking that extra trip to the grocery store to grab the one thing that we missed to cook the dinner? Thus, here we bring an app to help solve this issue.

### **Significance & Features:**

The main significance of this app will be the ease of completing a basic task with no chaos, forgetfulness or regrets.

An easy-to-use and easy-to-share family utility app allowing family and friends (roommates) to update and organize and share their single grocery list. The items on the list may be categorized by the user based on needs or sections they belong to in the grocery store.

A recipe module shall also be made available to the user based on the ingredients picked. The user may as well choose a recipe of their choice that will list of the ingredients the user may need to include in their shopping list.

### **Objectives:**

Our app will help its users in several aspects as stated below.

- Keep and maintain their personal grocery list
- Find recipes based on available ingredients
- Create a shopping list of ingredients based on what they wish to cook and eat
- Share their list with friends and family

### **System Features:**

The technologies that we as a team are exploring to build the app are listed below. They are our tentative choice of technologies, some or all of which may or may not be used for development.

- HTML CSS Java Script
- Angular JS – MVC framework
- Web AJAX
- MongoDB
- REST API

### **Related Work:**

Below is the link to the work related to our idea that some of our team mate have experience with. It is a simple prototype built and used on a personal level.

<http://grocery.moosader.com/>

### **Bibliography:**

<https://www.bestproducts.com/eats/food/g1505/grocery-shopping-list-apps/>

## **PROJECT PLAN**

### **Project Timeline:**

The development of the application shall follow an agile approach. The tasks have been broken down tentatively as shown below to reach our goal progressively.



### **Project Responsibilities:**

The tentative distribution of the tasks and responsibilities among the project team members is proposed below.

<i>Team Member</i>	<i>Role &amp; Responsibility</i>
<b>Poonam Kankariya</b>	<ul style="list-style-type: none"><li>• Project Manager</li><li>• Software testing</li><li>• Wireframe creation</li><li>• Documentation</li><li>• Software development<ul style="list-style-type: none"><li>➤ Database scripting</li></ul></li></ul>
<b>Priyanka Vinayak Gaikwad</b>	<ul style="list-style-type: none"><li>• Software testing</li><li>• Documentation</li><li>• Software development</li></ul>

	<ul style="list-style-type: none"> <li>➤ Front-end UI design</li> <li>➤ Front-end JS</li> </ul>
<b>Rachel Wil Sha Singh</b>	<ul style="list-style-type: none"> <li>• Technical Lead</li> <li>• Documentation</li> <li>• Software development               <ul style="list-style-type: none"> <li>➤ Full stack</li> <li>➤ Database design &amp; implementation</li> </ul> </li> </ul>
<b>Tejaswi Ayyadapu</b>	<ul style="list-style-type: none"> <li>• Documentation</li> <li>• Software development               <ul style="list-style-type: none"> <li>➤ Front-end UI design</li> <li>➤ Front-end JS</li> </ul> </li> </ul>

### **Project Milestones:**

The screenshot shows the ZenHub web application interface. The browser address bar displays the URL: [https://app.zenhub.com/workspace/o/pkankariya/cs5551\\_student23\\_icp/milestones](https://app.zenhub.com/workspace/o/pkankariya/cs5551_student23_icp/milestones). The page title is "CS5551\_Student23\_ICP". On the left sidebar, there are navigation links: "Boards", "Reports", "Milestones" (which is highlighted), "Notifications", "Create...", "Invite your team", "View tutorials", and "Shortcuts". The main content area is titled "Milestones" and features a "New Milestone" button in the top right corner. It displays three milestones:

- Iteration 1**: Start Aug 28, 2018 Due by Sep 28, 2018 Duration: a month. It includes a button "See this Milestone on the Board" and "Edit Milestone", "Close Milestone", "Delete Milestone" buttons.
- Iteration 2**: Start Oct 3, 2018 Due by Oct 26, 2018 Duration: 24 days. It includes the text "There are no Issues in this Milestone" and "Edit Milestone", "Close Milestone", "Delete Milestone" buttons.
- Iteration 3**: Start Oct 31, 2018 Due by Nov 30, 2018 Duration: a month. It includes the text "There are no Issues in this Milestone" and "Edit Milestone", "Close Milestone", "Delete Milestone" buttons.

The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 11:34 AM on 9/5/2018.

## Issues on GitHub:

The screenshot shows a web browser window displaying the GitHub interface for the repository 'pkankariya / CS5551\_Student23\_ICP'. The browser's address bar shows the URL 'https://github.com/pkankariya/CS5551\_Student23\_ICP/issues'. The repository page header includes the repository name, a 'Watch' button with 0 notifications, a 'Star' button with 0 stars, and a 'Fork' button with 0 forks. Below the header, there are tabs for 'Code', 'Issues' (selected), 'Pull requests', 'Projects', 'Wiki', 'Insights', and 'Settings'. The 'Issues' tab shows a search bar with the text 'is:issue is:open' and buttons for 'Labels' and 'Milestones'. A 'New issue' button is located on the right. The main content area displays a list of 17 open issues, each with a title, a number, and a status. The issues are:

- #18 Display recipes and access them via web page (Iteration 1)
- #17 Search recipes based on ingredients (Iteration 1)
- #16 Create front-end application page (Iteration 1)
- #15 Data entry into Database (Iteration 1)
- #14 Data collection of recipes (Iteration 1)
- #13 Remove Item - Confirm action (Iteration 1)
- #12 Add Item - Confirm action (Iteration 1)
- #11 Create project proposal & plan

The Windows taskbar at the bottom shows the time as 11:34 AM on 9/5/2018.

## **ZenHub Issues:**

The screenshot displays the ZenHub web interface in a browser window. The address bar shows the URL: [https://app.zenhub.com/workspace/o/pkankariya/cs5551\\_student23\\_icp/boards?filterLogic=all&repos=145916966](https://app.zenhub.com/workspace/o/pkankariya/cs5551_student23_icp/boards?filterLogic=all&repos=145916966). The page title is "CS5551\_Student23\_ICP".

The interface features a sidebar on the left with navigation options: Boards, Reports, Milestones, Notifications, Create..., and Invite your team. Below these are links for View tutorials and Shortcuts. The main area is a Kanban board with four columns: New Issues (15 Issues - 0 Story Points), Icebox (0 Issues - 0 Story Points), Backlog (1 Issue - 0 Story Points), and In Progress (1 Issue - 0 Story Points). A "New Issue" button is located in the top right corner of the board area.

The "New Issues" column contains five issues, each with a title, iteration, and a link to the database design and implementation page:

- CS5551\_Student23\_ICP #3 Research MongoDB style design  
Iteration 1  
Database Design & Implementati...
- CS5551\_Student23\_ICP #4 Build database schema diagram  
Iteration 1  
Database Design & Implementati...
- CS5551\_Student23\_ICP #5 Shopping List - DB structure template  
Iteration 1  
Database Design & Implementati...
- CS5551\_Student23\_ICP #6 Recipe - DB structure template  
Iteration 1  
Database Design & Implementati...
- CS5551\_Student23\_ICP #7 Ingredient - DB structure template

The "Backlog" column contains one issue: CS5551\_Student23\_ICP #2 Database Design & Implementation. A "Filter by Epic Issues" button is visible below this issue.

The "In Progress" column contains one issue: CS5551\_Student23\_ICP #1 Create project propos. Iteration 1.

The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 11:33 AM on 9/5/2018.



***Good Luck!!***

