### 

### **Abstract**

### **This Document Is Meant For Describing All The Features And Procedures That Where Followed While Developing The System.**

### **This Document Specially Mentions All Details Of The Project How It Was Developed, Primary Requirements, As Well As Various Features And Functionalities Of The Project And Procedures Followed In Achieving These Objectives.**

### **Home Service Application Is Simple, User Friendly And Secured. The Solution Is To Design Implement Several Database Management Techniques And Was Primarily Evaluated By Its Ability To Transfer Data Speedily, Maintaining Secure Transaction And Easy Interaction. The Final Result Is An Android, Which Provides Facilities At An Instance.**

### **It Has Many Technical Elements And The Rules Are Fairly Simple. Simplicity Makes It A Good Choice For Learning A New Program Environment. It Covers A Range Of Areas (Data Modeling, Some Coding Challenges, User Interface, Etc.) But None Of Them Are Too Difficult.**

### **Acknowledgement**

### **When We Reach The Completion Of Project, Giving Credits Become Must, As Without The Support Of Other People’s Help And Guidance, This Project Couldn’t Be Completed Successfully.**

### **First, We Would Like To Thank Our Parents With Their Great Support We Can Reach At The Stage. Then Humble Thanks To All Professors And All Staff Members Of Our College “Vivekanand College For Advanced Computer & Information Science.” For The Cooperation & Keep Interest Extended By Them, Throughout Our Degree Course. It Is The Base That They Have Built, Which Sustains Such Good Jobs.**

### **We Would Like To Thank Ms. Sumathi Shenoy The Campus Director Of The Vivekanand College For Vivekanand College Of Advanced Computer And Information Science And Mr.Sandip Surti I/C Principal Of Vivekanand College For Bca, For Granting Us An Opportunity To Work On This Project. We Would Also Like To Thank To Our Guide Prof. Dhvani Ma’am For Her Valued Guidance And Encouragement Towards The Completion Of Our Project.**

### **Last But Not Least, Our Heartfelt Appreciation Goes To All Those Not Named Here, But Who Have Rendered**

### **Their Co-Operation, Little Or More, Directly Or Indirectly Involved In The Development Of This System.**

### **Thanking All.**

### **Index:**

|  |  |  |
| --- | --- | --- |
| **Sr No.** | **Description** | **Page No.** |
| **1** | **Project Profile** | 4 |
| **2** | **Introduction** | 5 |
| **3** | **Hardware Requirement** | 6 |
| **4** | **Software Requirement** | **7** |
| **5** | **Scope** |  |

|  |  |  |
| --- | --- | --- |
| **6** | **Use-Case Diagram** | 27 |
| **7** | **Database** |  |
| **8** | **Screen Layout** |  |

### **Project Profile:**

### **Project Title: Yum Yum Rank**

### **Definition: Gives You Best Ranked Food Items**

### **Name Of Institute: Vivekanand College For Bca**

### **Front End Tool:**

### **Html, Css, JavaScript, Gsap, Lenis, Bootstrap**

### **Css, Locomotive Scroll, Twailwind Css**

### **Back End Tools: Mysql, Php**

### **Project Category: Food**

### **Project Guide: Dhvani Ma’am**

### **Submit To: Vivekanand College**

### **Introduction:**

### **Yum Yum Rank Is Your Trusted Platform For Making Informed Food Choices, Providing Transparent And Expert-Backed Health Rankings For Various Food Products. In Today's World, Understanding What's Healthy And What's Not Can Be Confusing. That's Why We Evaluate Food Items Across Different Categories, Giving Each Product A Health Score Based On Its Ingredients, Nutritional Value, And Overall Health Impact. Our Unique Scoring System Helps You Make Smarter Decisions About Your Diet:**

### **Foods With A Score Of 3 Or Below Are Not Recommended For Regular Consumption Due To Their Poor Nutritional Profile.**

### **Foods With A Score Between 4 And 7 Can Be Enjoyed Occasionally, But They Shouldn't Be A Daily Part Of Your Diet. Foods Scoring Between 8 And 10 Are Highly Nutritious And Should Be Eaten Regularly To Maintain A Healthy Lifestyle.**

### **We Also Provide Alternatives To Lower-Scoring Products, Making It Easier To Switch To Healthier Options. Whether You're Looking To Improve Your Diet Or Simply Make Better Food Choices, Yum Yum Rank Is Here To Guide You Toward A Healthier You, One Meal At A Time.**

### **Hardware Requirement:**

### 

### **The Efficient Hardware And Software Configuration Requires The System Is As Suggest Below. The Configuration Suggested Is For Better Performance. Same Functionality Or Higher Configuration Will Always Better.**

### Developer Side:

### 

### **Microprocessor : Core I3 Or Any Above**

### **Memory : 4 Gb Minimum Or More**

### **Hard Disk : 100 Gb Minimum Or More**

### **Client Side:**

### **Microprocessor : Core I3 Or Any Above**

### **Memory : 2 Gb Minimum Or More**

### **Hard Disk Space : 100 Gb Minimum Or More**

### Software Requirement:

### **Developer Side:**

### **Front End : Core I3 Or Any Above**

### **Back End : 4 Gb Minimum Or More**

### **Browser : 100 Gb Minimum Or More**

### **Text Editor : Visual Studio Code**

### **Client Side:**

### **Browser : Core I3 Or Any Above**

### **Operating System : Windows Xp Or Any Above**

### **Server Side:**

### **Server : Xampp Server**

### Tool Technology:

### Front-Hand Tool:

### **Html:**

### Html (Hypertext Markup Language) Is The Fundamental Building Block Of The Web, Used To Create And Structure Content For Websites. It Defines The Layout, Structure, And Elements Of A Webpage Through A Series Of Markup Tags.

### Html Is Essential For Web Development, Serving As The Foundation Upon Which Css (For Styling) And JavaScript (For Interactivity) Build. It Ensures That Content Is Presented In A Clear And Organized Manner, Facilitating Better User Experience And Navigation.

### Html Is A Critical Technology That Enables The Creation Of Structured, Accessible, And Interactive Web Content, Forming The Backbone Of The Modern Internet.

### *Key Components:*

### **Elements And Tags:** Html Consists Of Various Elements Represented By Tags (E.G.,<H1>, <P>, <A>). Tags Are Used To Denote Different Types Of Content, Such As Headings, Paragraphs, Links, And Lists.

### **Attributes:**

### Tags Can Have Attributes That Provide Additional Information About Elements (E.G., Href For Links, Src For Images).

### **Semantics:**

### Html5 Introduced Semantic Elements (Like <Article>, <Section>, <Header>, And <Footer>) That Enhance The Meaning Of The Content And Improve Accessibility And Seo.

### **Multimedia Support:**

### Html Allows The Integration Of Various Multimedia Elements, Making It Easy To Embed Images, Videos, And Audio Files.

### **Accessibility:**

### Proper Use Of Html Can Make Content More Accessible To Users With Disabilities, As Screen Readers And Other Assistive Technologies Rely On Well-Structured Html.

### **Advantages Of Html :**

### Easy To Learn:

### Html Has A Straightforward Syntax That Is Easy For Beginners To Grasp.

### Basic Structure:

### Provides A Clear Structure For Web Documents, Making It Easier To Organize And Present Content.

### Cross-Platform Compatibility:

### Html Files Can Be Opened And Displayed On Any Device With A Web Browser, Ensuring Consistent User Experience.

### Seo Friendly:

### Well-Structured Html Can Improve Search Engine Optimization (Seo), Making Web Content More Accessible To Search Engines.

### Supports Multimedia:

### Easily Integrates Images, Videos, And Audio, Enhancing User Engagement.

### Framework For Other Technologies:

### Works Seamlessly With Css (For Styling) And JavaScript (For Interactivity), Allowing For Rich Web Experiences.

### Open Standard:

### As A Core Web Technology, Html Is Free To Use And Supported By All Major Browsers.

### **2.Css:**

### **Css Stands For Cascading Style Sheets**

### **Css Describes How Html Elements Are To Be Displayed On Screen, Paper, Or In Other Media.**

### **Css Saves A Lot Of Work. It Can Control The Layout Of Multiple Web Pages All At Once.**

### **External Style sheets Are Stored In Css Files.**

### **Css Is Designed To Enable The Separation Of Presentation And Content, Including Layout, Colors And Fonts.**

### **This Separation Can Improve Content Accessibility, Provide More Flexibility And Control In The Specification Of Presentation**

### **Characteristics, And Enable Multiple Web Pages To Share Formatting By Specifying The Relevant Css In A Separate.**

### **Css File Reduces Complexity And Repetition In The Structural Content.**

### **Advantages Of Css :**

### **Allows Separating Content Of An Html Document From Style And Layout Of That Document.**

### **Make Documents Much Easier To Maintain And Give Much Better Control Over The Layout Of Your Web Pages.**

### **Css Saves Lots Of Time.**

### **Easy Maintenance.**

### **Pages Load Faster & Multiple Device Compatibility.**

### **3.Java Script**

### JavaScript Is A Versatile, High-Level Programming Language Primarily Used For Enhancing Interactivity And Dynamic Content On Websites. It Is An Essential Technology Of The Web, Alongside Html And Css.

### JavaScript Is A Cornerstone Of Modern Web Development. It Empowers Developers To Create Rich, Interactive User Experiences, Making Websites Feel More Like Applications. Its Widespread Adoption And Robust Community Support Make It A Valuable Skill For Developers In Various Domains.

### JavaScript Is An Essential Language For Building Dynamic And Interactive Web Applications, Shaping The Way Users Interact With The Internet.

### *Key Features:*

### **Client-Side Scripting:** JavaScript Runs In The User's Browser, Allowing For Responsive Interactions Without Needing To Communicate With The Server. This Results In A Smoother User Experience.

### **Dynamic Content:** It Enables The Creation Of Dynamic And Interactive Web Elements, Such As Animations, Form Validations, And Content Updates Without Reloading The Page.

### **Event-Driven:** JavaScript Responds To User Events (Like Clicks, Mouse Movements, Or Keyboard Inputs) Through Event Handling, Making Web Applications Interactive. **Versatile:** Beyond Web Browsers, JavaScript Can Be Used On The Server Side (E.G., With Node.Js), In Mobile App Development (Using Frameworks Like React Native), And Even For Desktop Applications.

### **Asynchronous Programming:** With Features Like Promises And A sync/Await, JavaScript Supports Asynchronous Programming, Allowing For Operations Like Api Calls Without Blocking The Main Thread.

### Advantages:

### Client-Side Execution: JavaScript Runs In The User's Browser, Leading To Faster Performance And Reduced Server Load Since Many Operations Can Be Handled Client-Side.

### Interactivity: It Enables Dynamic Content And Interactive Features Like Forms, Animations, And Real-Time Updates, Enhancing User Experience.

### Cross-Platform Compatibility: JavaScript Works On All Major Browsers And Devices, Ensuring Consistent Functionality Across Platforms.

### Asynchronous Processing: JavaScript Supports Asynchronous Programming, Allowing For Non-Blocking Operations (E.G., Fetching Data From Apis) Which Improves Application Responsiveness.

### Large Community And Resources: A Strong Community Provides Extensive Documentation, Tutorials, And Forums, Making It Easier For Developers To Find Support And Resources.

### Versatility: Beyond Web Development, JavaScript Can Be Used For Server-Side Programming (With Node.Js), Mobile App Development, And Even Desktop Applications.

### 4. Gsap (Green sock Animation Platform)

### Gsap (Green sock Animation Platform) Is A Powerful JavaScript Library For Creating High-Performance Animations In Web Applications. It Is Widely Used For Both Simple And Complex Animations, Providing A Robust Set Of Tools For Developers And Designers.

### Gsap Is An Invaluable Tool For Developers Looking To Create Rich, Interactive Animations On The Web. Its Performance, Flexibility, And Ease Of Use Make It A Preferred Choice For Modern Web Animation Projects.

### Key Features:

### **Performance:**

### Gsap Is Optimized For Speed And Efficiency, Making It Suitable For Complex Animations Without Sacrificing Performance.

### **Cross-Browser Compatibility:**

### It Works Seamlessly Across All Major Browsers, Ensuring That Animations Appear Consistently Regardless Of The User’s Environment.

### **Ease Of Use:**

### The Api Is Intuitive And User-Friendly, Allowing Developers To Create Animations With Minimal Code.

### **Animation Control:**

### Gsap Provides Fine Control Over Animations, Including Features Like Playback, Pausing, Reversing, And Sequencing Animations With Ease.

### **Compatibility With Other Libraries:**

### Gsap Can Be Used Alongside Other Libraries And Frameworks (Like Jquery, React, And Vue.Js), Making It Versatile For Various Projects.

### **Timeline Functionality:**

### The Timeline Feature Allows For The Creation Of Complex Sequences Of Animations, Enabling Precise Control Over Timing And Synchronization.

### **Plug-in Support:**

### Gsap Offers A Variety Of Plug-in (Such As Scroll trigger, Drag gable, And Morphsvg) That Extend Its Capabilities And Enhance Functionality.

### Use Cases:

### **Websites:** Enhancing User Interfaces With Smooth Transitions And Animations.

### **Games:** Creating Interactive Elements And Engaging Animations In Web-Based Games.

### **Presentations:** Adding Dynamic Effects To Slides And Content For Better Storytelling.

### 5. Lenis

### **Lenis** Is A Lightweight, Customizable JavaScript Library Designed For Creating Smooth Scrolling Effects On Web Pages. It Enhances The User Experience By Providing A Fluid Scrolling Experience That Feels More Natural Compared To Standard Browser Scrolling.

### Lenis Is A Versatile Tool For Developers Seeking To Implement Smooth Scrolling Effects On Their Websites, Improving User Engagement And Overall Experience. Its Lightweight Nature And Ease Of Use Make It A Great Addition To Modern Web Development.

### Key Features:

### **Smooth Scrolling:** Lenis Implements Smooth Scrolling That Can Be Applied To Any Element, Making Transitions Feel Seamless And More Polished.

### **Customizable Options:**

### The Library Allows Developers To Customize Scroll Speed, Easing Functions, And Other Parameters To Fit The Design Of Their Website.

### **Performance Focused:**

### Lenis Is Built With Performance In Mind, Minimizing Overhead And Ensuring Smooth Animations Even On Resource-Limited Devices.

### **Scroll Events:**

### It Provides Easy Access To Scroll Events, Enabling Developers To Trigger Animations Or Other Actions Based On Scroll Position.

### **Mobile Support:**

### Lenis Is Optimized For Mobile Devices, Ensuring That Smooth Scrolling Works Well Across Various Screen Sizes And Orientations.

### **Easy Integration:**

### Simple To Implement, Lenis Can Be Easily Integrated Into Existing Projects Without Requiring Significant Changes To The Codebase.

### Use Cases:

### **Single-Page Applications (Spas):**

### Enhancing Navigation Experience By Providing Smooth Transitions Between Sections.

### **Websites With Long Content:**

### Improving User Experience On Sites With Lengthy Scrolling, Making It Feel More Engaging.

### **6. Bootstrap:**

### **Bootstrap Is A Front-End Framework That Is Developed To Support Creating Dynamic Websites And Web Applications.**

### **It Is One Of The Most Preferred Front-End Frameworks As It Aids An Easy And Fast Processing To Develop A Website.**

### **It Supports All Major Browsers And Fast Loading Responsive Web Pages.**

### **Bootstrap Consists Of Html And Css-Based Design Templates For Various Interface Components And Is Aimed To Ease Web Development.**

### **Bootstrap Is Compatible With Almost All The Latest Version Browsers Such As Internet Explorer, Google Chrome, Opera,**

Bootstrap Is A Popular Front-End Framework That Helps Streamline The Development Of Responsive Websites. Here Are Some Key Notes On Bootstrap Css:

Grid System: Bootstrap Uses A Flexible Grid System Based On A 12-Column Layout, Allowing For Responsive Designs. You Can Use Classes Like .Container, .Row, And .Col-\* To Structure Your Layout.

Responsive Utilities: Bootstrap Includes Responsive Utility Classes (Like .D-None, .D-Sm-Block, Etc.) To Control Visibility Across Different Screen Sizes.

Components: Bootstrap Comes With A Variety Of Pre-Styled Components Such As Buttons, Forms, Modals, And Alerts, Which You Can Customize Using Utility Classes.

Typography: It Provides A Consistent Typography System With Predefined Classes For Headings, Paragraphs, And Text Styles.

Customizable: You Can Customize Bootstrap By Overriding Its Css Variables Or Using Sass To Modify Its Default Styles.

JavaScript Components: Many Components (Like Modals And Dropdowns) Require Bootstrap's JavaScript Library For Full Functionality, Often Needing Jquery.

Documentation: The Official Bootstrap Documentation Is Comprehensive, Offering Examples And Code Snippets To Help You Implement Various Features Easily.

For A Deeper Dive, Consider Exploring Specific Components And Utilities Based On Your Project Needs!

### Loco Motive Scroll

### **Locomotive Scroll** Is A Modern JavaScript Library Designed To Create Smooth Scrolling Effects And Parallax Animations On Web Pages. It Enhances User Experience By Adding Fluidity And Depth To The Scrolling Experience.

### Locomotive Scroll Is A Powerful Tool For Developers Looking To Improve Scrolling Experiences On Their Websites. Its Smooth Performance And Rich Feature Set Make It An Excellent Choice For Modern Web Design.

### *Key Features:*

### **Smooth Scrolling:**

### Locomotive Scroll Provides A Seamless Scrolling Experience That Feels Natural, Enhancing The Overall Flow Of The Website.

### **Parallax Effects:**

### The Library Allows For Easy Implementation Of Parallax Scrolling, Where Background Elements Move At Different Speeds Than Foreground Content, Creating A Sense Of Depth.

### **Scroll Events:**

### It Offers Robust Scroll Event Handling, Enabling Developers to Trigger Animations or Interactions Based on the User’s Scroll Position.

### **Customizable Options:**

### Developers Can Easily Customize The Scroll Speed, Easing, And Other Parameters To Fit Their Design Needs.

### **Responsive Design:**

### Locomotive Scroll Is Built To Work Well On Both Desktop And Mobile Devices, Ensuring A Consistent Experience Across Platforms.

### **Integration With Other Libraries:**

### It Can Be Used Alongside Other Libraries And Frameworks, Making It Versatile For Various Projects.

### Use Cases:

### **Landing Pages:**

### Creating Engaging Landing Pages with Smooth Transitions and Parallax Effects to Capture User Attention.

### **Single-Page Applications (Spas):**

### Enhancing Navigation And User Interaction Through Smooth Scrolling And Animations.

### **Twailwind Css:**

### **Tailwind Css** Is A Utility-First Css Framework That Provides A Flexible And Efficient Way To Style Web Applications. Unlike Traditional Css Frameworks, Tailwind Promotes A Different Approach By Allowing Developers To Apply Utility Classes Directly In The Html, Facilitating Rapid Development And Design Consistency.

### Tailwind Css Is A Powerful Framework That Enhances Productivity And Flexibility In Web Development. It’s Utility-First Approach And Extensive Customization Options Make It A Popular Choice For Modern Web Applications.

### *Key Features:*

### **Utility-First Approach:**

### Tailwind Provides A Wide Range Of Utility Classes For Common Styling Tasks (E.G., Padding, Margins, and Colors), Enabling Developers To Compose Styles Directly In Their Html.

### **Customizability:**

### Tailwind Is Highly Customizable, Allowing Developers To Configure Themes, Colors, Spacing, And Other Design Aspects Through A Configuration File (Tailwind.Config.Js).

### **Responsive Design:**

### Built-In Responsive Utilities Allow For Easy Design Adjustments Based On Screen Size, Making It Simple To Create Mobile-Friendly Layouts.

### **Component-Friendly:**

### Tailwind Can Be Easily Integrated With Component-Based Frameworks Like React, Vue, And Angular, Promoting Reusable And Maintainable Design Patterns.

### **No Css Specificity Issues:**

### Since Styles Are Applied Through Utility Classes, Developers Can Avoid The Common Pitfalls Of Css Specificity, Leading To Easier Maintenance And Styling.

### **Purgecss Support:**

### Tailwind Integrates With Tools Like Purgecss To Remove Unused Styles From Production Builds; Keeping Css Files Lightweight And Optimized.

### **Community And Ecosystem:**

### A Robust Community Provides A Wealth Of Plug-in, Extensions, And Resources, Enhancing The Functionality And Usability Of Tailwind Css.

### Use Cases:

### **Rapid Prototyping:**

### Quickly Build Layouts And Designs Without Writing Custom Css From Scratch.

### **Consistent Design Systems:**

### Maintain A Consistent Design Language Across Applications By Using Predefined Utility Classes.

### **Back End Tools:**

1. My Sql:

**Mysql** Is An Open-Source Relational Database Management System (Rdbms) That Uses Structured Query Language (Sql) For Managing And Manipulating Data. It Is Widely Used For Web Applications And Is A Key Component Of Many Tech Stacks, Including Lamp (Linux, Apache, Mysql, Php).

Mysql Is A Powerful And Versatile Database Management System That Is Widely Used In Web Development And Data Management, Making It An Essential Tool For Developers And Businesses Alike.

#### Key Features:

**Relational Database:**

Mysql Organizes Data Into Tables That Can Be Linked Through Relationships, Enabling Complex Queries And Data Integrity.

**Open Source:**

Mysql Is Freely Available, Allowing Developers To Use And Modify It Without Licensing Fees.

**High Performance:**

Optimized For Speed And Efficiency, Mysql Can Handle Large Volumes Of Data And High Transaction Loads.

**Scalability:**

Mysql Can Scale From Small Applications To Large Enterprise Solutions, Making It Suitable For Various Use Cases.

**Cross-Platform:**

Mysql Runs On Various Operating Systems, Including Windows, Macos, And Linux, Ensuring Broad Compatibility.

**Robust Security:**

It Offers Features Like User Authentication, Ssl Support, And Data Encryption To Help Secure Sensitive Information.

**Comprehensive Documentation:**

Mysql Has Extensive Documentation And A Large Community, Providing Support And Resources For Developers.

### Use Cases:

* **Web Applications:**
* Commonly Used for Database Management in Content Management Systems (Cms) Like Word press, Drupal, And Joomla.
* **E-Commerce Platforms:**
* Manages Product Inventories, User Data, And Transaction Records.

2. Php:

**Php (Hypertext Pre-processor)** Is A Widely-Used Open-Source Server-Side Scripting Language Designed Primarily For Web Development. It Allows Developers To Create Dynamic And Interactive Web Pages By Embedding Php Code Within Html.

#### Key Features:

**Server-Side Scripting:** Php Code Is Executed On The Server, Generating Html That Is Sent To The Client's Browser, Making It Ideal For Creating Dynamic Content.

**Open Source:** Php Is Free To Use And Has A Large Community That Contributes To Its Development And Support.

**Cross-Platform:** It Runs On Various Platforms, Including Windows, Linux, And Macos, And Is Compatible With Most Web Servers (Like Apache And Nginx).

**Database Integration:** Php Easily Integrates With Various Databases, Especially Mysql, Enabling Developers To Build Data-Driven Applications.

**Extensive Libraries And Frameworks:** A Rich Ecosystem Of Libraries And Frameworks (Like Laravel, Symfony, And Codeigniter) Simplifies Development And Enhances Functionality.

**Robust Security Features:** Php Provides Various Security Features To Help Protect Against Common Web Vulnerabilities, Such As Sql Injection And Cross-Site Scripting (Xss).

**Community Support:** With A Large User Base, Php Has Abundant Resources, Documentation, And Forums Available For Troubleshooting And Learning.

### Use Cases:

* **Web Development:**
* Frequently Used For Building Dynamic Websites, Content Management Systems (Like Word press), And E-Commerce Platforms.
* **Api Development:**
* Commonly Used For Developing Restful Apis To Connect Front-End Applications With Back-End Services.

Php Is A Powerful And Versatile Scripting Language That Plays A Crucial Role In Web Development, Enabling The Creation Of Dynamic And Interactive Web Applications. It’s Ease Of Use And Extensive Community Support Make It A Popular Choice Among Developers.

### Proposed System:

### Scope:

### Scope Refers To The Combined Objectives And Requirements Which Are Needed To Complete A Project.

### The Term Is Often Used In Project Management. Properly Defining The Scope Of Project Allows Managers To Estimate Costs And Time Required Finishing The Project.

### Our Main Aim Is To Provide Best & Fresh Food As Per The Requirements Of The Customer.

### The Computerized System Names –YUM YUM RANK System Such Easier And Faster It Has Solved Problem Of Not Going To Buy Food Physically.

Scope Refers To The Combined Objectives And Requirements Which Are Needed To Complete A Project.

The Term Is Often Used In Project Management. Properly Defining The Scope Of Project Allows Managers To Estimate Costs And Time Required Finishing The Project.

Our Main Aim Is To Provide Best & Fresh Food Ranking As Per The Requirements And Good Health For The Customer.

The Computerized System Names –Yum Yum Rank System Such Providing Transparent and Expert-Backed Health Rankings for Various Food Products. In Today's World, Understanding What's Healthy And What's Not Can Be Confusing. That's Why We Evaluate Food Items Across Different Categories, Giving Each Product A Health Score Based On Its Ingredients, Nutritional Value, And Overall Health Impact. Our Unique Scoring System Helps You Make Smarter Decisions about Your Diet

Use case Diagram:

Admin:

Manage rating

Review

View user details

Manage user

Manage food

User:

Login

Register

Add product

Product rating

Feedback

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Document Name | Data Type | Constraint |
| 1 | Name | String | Required |
| 2 | Adminid | String | Primary Key |
| 3 | Username | String | Required |
| 4 | Password | String | Hashed |
| 5 | Ph No. | Numeric | Required |

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Document Name | Data Type | Constraint |
| 1 | Name | String | Required |
| 2 | Adminid | String | Primary Key |
| 3 | Username | String | Required |
| 4 | Password | String | Hashed |
| 5 | Ph No. | Numeric | Required |

1.Admin Table

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Username | String | Primary Key |
| 2 | Email | String | Required |
| 3 | Password | String | Hased |
| 4 | Registration Date | Numeric | Required |

3. Food Database Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Food Id | String | Primary Key |
| 2 | Name | String | Required |
| 3 | Description | String | Required |
| 4 | Category Id | String | Foreign Key |
| 5 | Image | Img | Required |
| 6 | Health Score | Numeric | Numeric |

4. User Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Username | String | Primary Key |
| 2 | Email | String | Required |
| 3 | Password | String | Hased |
| 4 | Registration Date | Numeric | Required |

5. Ingrediants Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Food Id | String | Foreign Key |
| 2 | Ingredient Id | String | Foreign Key |
| 3 | Quantity | String | Unique |
| 4 | Unit | String | Unique |

6. Rating Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Dataype | Constraint |
| 1 | Rating Id | String | Primary Key |
| 2 | User Id | String | Foreign Key |
| 3 | Food\_Id | String | Foreign Key |
| 4 | Score | Numeric | Unique |
| 5 | Date | String | Required |

7. Alternative Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Alternative\_Id | String | Primary key |
| 2 | Original Food\_Id | String | Foreign Key |
| 3 | Alternative Food\_Id | String | Foreign Key |

8. Nutrition Information Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Nutrition\_Id | String | Primary Key |
| 2 | Food\_Id | String | Foreign Key |
| 3 | Calories | String | Required |
| 4 | Proteins | String | Required |
| 5 | Crabs | String | Required |
| 6 | Fats | String | Required |
| 7 | Vitamins | String | Required |

9. Review Table:

|  |  |  |  |
| --- | --- | --- | --- |
| No | Document Name | Data type | Constraint |
| 1 | Review Id | String | Primary Key |
| 2 | User\_Id | String | Foreign Key |
| 3 | Food\_Id | String | Foreign Key |
| 4 | Score | Numeric | Unique |
| 5 | Date | Numeric | Required |



























