

IT632 - SE Project Documentation

GROUP 10

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Defining Scope of the Project

We are designing a **Diet Advisor Website**. Which helps user reach a specific goal of weight loss/gain/maintenance. Here first user will enter his/her weight, normal activity level, goal to reach and time to reach the goal. Accordingly he is given the calories to be consumed daily that he has to abide by to reach his goal. Website contains list of food items along with calories which user can add to his daily diet. If certain food is not present he/she can add a food item along with calories. Weekly/monthly/end of goal reports are given. Further, option to change goal provided.

Currently a lot of people are becoming aware of the importance of fitness in their lives. Our website helps them keep their weight in check by keeping track of the food they consume throughout the day and the exercise they do.

Here we want to expand our project further by including features like an automatic diet generation which is current out of the scope of our project. However, since we have chosen the evolutionary prototyping model. It will be easier to implement additional changes to the existing project.

Describe which process model is used for your project and also explain why choose the specific process model for your project.

We have chosen Evolutionary Prototyping as our project model as currently we do have a set of requirements that are fixed. However the projects stands to be improved and modified further upon by adding more requirements and features. Our project is a website and hence heavily depends on UI/UX aspect of the design and hence Evolutionary Prototyping was absolutely necessary.

Define Users and Stakeholders of the project.

USERS:

- Common People
- Admin

STAKEHOLDERS:

1. INTERNAL:

- a. **Company:** DAIICT
- b. **Funders:** Professor Saurabh Tiwari
- c. **Project Manager:** Prachi Gole
- d. **Project members:**
 - i. Arohi Singhal
 - ii. Ayush Garg
 - iii. Dhrumil Gohil
 - iv. Faisal Ajmeri
 - v. Karinaben Bavishi
 - vi. Mansi Jani
 - vii. Nirmal Panchal
 - viii. Nisarg Shah
 - ix. Sharvi Gabani
 - x. Uttamkumar Dobariya

2. EXTERNAL:

- a. **Customer:** Sameeksha Jain[TA]

Functional and Non-Functional Requirements of project as per process model(Example: If process model chosen for your project is Agile Model then write functional requirements in the form of user stories).

FUNCTIONAL REQUIREMENTS:

1. Register:

- If user wants to use our system services then first he/she must be registered him/herself.
- The registration process allows linking your application to each specific user and providing him or her with personalized content.

2. Login:

- Existing user has to login into our system via their credentials to use our services.

3. Calculate BMI:

- System intakes the user's weight, height, age for calculating Body Mass Index.

4. User goal:

- Our System is defined on the goal that the user wants to achieve i.e. Gain/Loose/Maintain Weight.

5. Calculate calories:

- Our system calculate the calories on the user's goal and BMI.
- Our system also calculates the food's calories that the user has intake.

6. Display calories:

- It will display the calories that the user has to intake to achieve the goal.

7. Daily Food Intake, Display Type of Exercise:

- User can add meals, exercise details(low, medium or high) and water intake.
- These details are added on daily basis.

8. Feedback:

- User can share his/her experience while using our system.
- Admin can view user's feedback

9. User progress:

- Our system is designed so that user can check whether he/she is exceeding the goal or lagging behind the goal.
- Progress is checked on the data inserted by user on daily basis and its calorie count.

10. Progress at end of day/week/month:

- generating the progress report on user's demand.

11. Change goal:

- user can change the goal at any time.

12. Reminder:

- if user forgets to add his calories in a day → either send him notification/reminder in case and if still he does not enter by 11:59pm then subtract that dat from the total calculation for accurate results.
- Reminder is generated by the system.

13. Logout:

- User can logout from the system if he wants.

14. View Profile:

- User can view his/her name, contact details, gender, age, weight and height.
- Admin can view user's profile.

15. Update Profile:

- User can view his/her name, contact details, gender, age, weight and height.

NON - FUNCTIONAL REQUIREMENTS:

Platform independent:

Our system will be built on web-based framework so it can be accessible by any browser easily so there is no platform dependence, therefore, a website can work on Linux, windows and mac operating system.

Usability:

The system will allow the users to access the system from the Internet using HTML or it's derivative technologies like CSS. System will require chrome latest version. The system uses a web browser as an interface. Since all users are familiar with the general usage of browsers, no special training is required. The system is user friendly.

Availability:

Our system will be available 100% for the user and it can be used 24 hours a day and 365 days a year.

Security:

Our system will have in user authentication and validation of members using their mobile number with OTP. Captcha code will be used for user login. Our system will not allow a member to see other member account.

Performance:

Performance of our system will be fast and accurate. It will be able to handle large amount of data. Our system performance will not affect if there will be traffic load of multiple users.

Reliability:

Our system will be reliable in every system. Due to security and privacy the data of customer gets confidential so it will be reliable.

Reusability:

The pages like login, register will be same for admin, user also. Here reusability will be present because no more extra function and time will be used to make different pages for different user, only redirection of that page.

Use Case Diagram of the project.

