Independent Course work I – WS 2019/2020

Master Software Engineering for Industrial Applications

University of Applied Science Hof

NutriSpec Project

Project Guide: Mr. Oliver Hader

Participants

|  |  |
| --- | --- |
| Kunal Harkare | 00512519 |
| Nikhil Gosavi | 00608419 |
| Sudarshan Phule | 00510519 |
| Sachin Tiptur | 00518719 |
| Akhil Baby | 00571419 |

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Planning

Concept

Our application ‘NutriSpec’ aimed at every individual to search, consult nutritionist and maintain their Nutrition plan. This also connects client with Nutritionists based on the location of the client, Nutritionists to manage their clients’ data and consult online. It enables nutritionists to provide their service online by interacting with clients over this application.

Nutritionists can enrol with the ‘NutriSpec’ company administrator and make their profile visible/reachable to millions of clients. They can also get a personalized Nutritionist page with details of their clients and related data. Nutritionist can update the client information with the consultation reports and diet prescriptions. Also, he can monitor the progress of the client. A nutritionist can also write blogs and success stories in the application.

Client can search for a Nutritionist without requiring a registration. A location-based search is possible with ‘NutriSpec.’ Client can get contact details of the Nutritionist and view the Nutritionist profile, ratings, qualifications, blogs and success stories. Client can also contact Nutritionist via ‘NutriSpec’ online contact form.

Registration of each user to help monitor the individual separately and accurately. The record of user's history would be analysed to ensure better diagnosis which would be concentrated to the concerned user. User Personalization would also make users more engaged in the activities which would increase the probability of completing the tasks and thus resulting in maintaining good health. Relevant and tailored experiences also boost user retention.

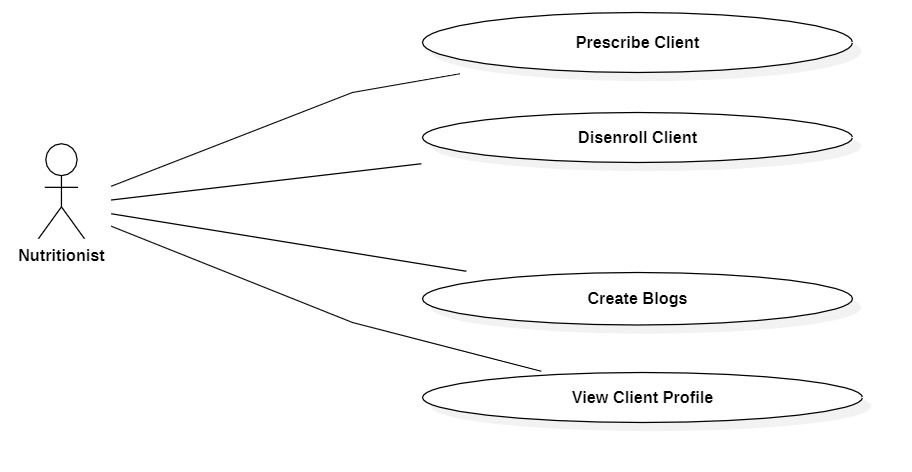
Structure & Navigation

|  |  |  |  |
| --- | --- | --- | --- |
| ID | TITLE | SCOPE | URL/PATH |
| 1 | Home Page | Login links to Nutritionist and Client home pages and also shows images in carousel | /overview |
| 2 | Client Home | List all nutritionist, search nutritionist, view blogs | /client-home |
| 2.1 | My reports | Display prescriptions from nutritionist | /client-home/reports |
| 3 | Nutritionist Home | List all enrolled client details, prescribe client, disenroll client, view blogs | /nutritionist-home |
| 4 | About Us | Information about NutriSpec | /about-us |
| 5 | Contact Us | Contact form (name, email, subject, message) | /contact-us |
| 6 | News | Recent News and announcements | /news |
| 6.1 | Vlog | Health and nutritional videos | /news/vlog |
| 7 | Legal Information | Legal information, address information, privacy policy. | /legal-information |

*Table 1: Page Structure and content map of NutriSpec Application*

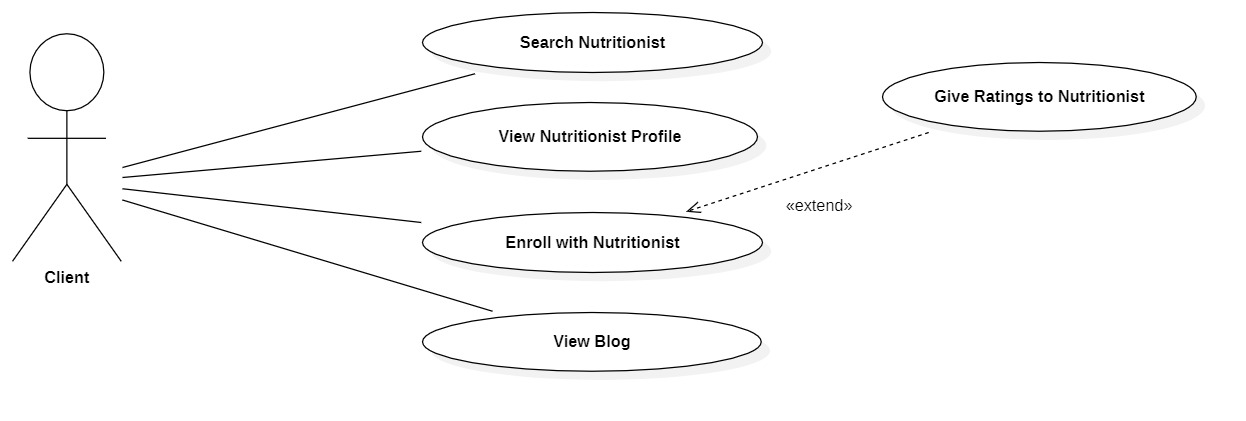
**Use Cases**

There are basically two types of users who can use this application. First one is nutritionist who can list his all clients, view client’s information, prescribe client and can create blogs.



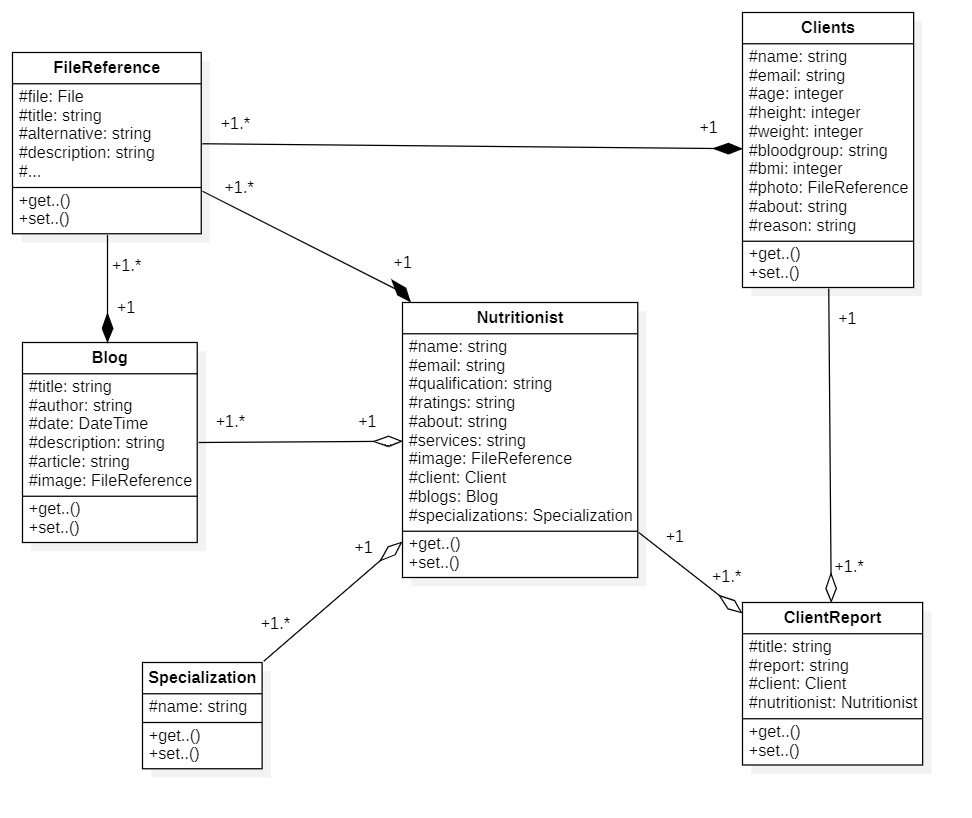
Nutritionist Role Use Case

Second actor is client who can search for nutritionist, view nutritionist profile, enrol with nutritionist, view blogs and give ratings to nutritionist.



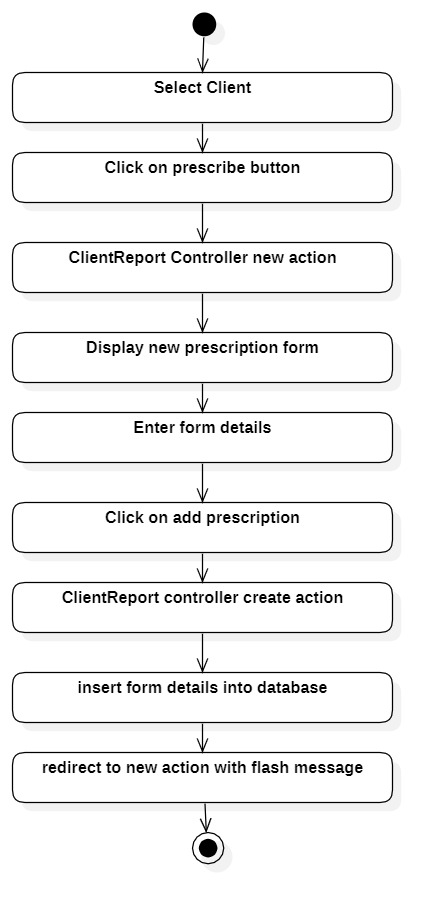
Client Role Use Case

Domain Model/ER Diagram/Class diagram



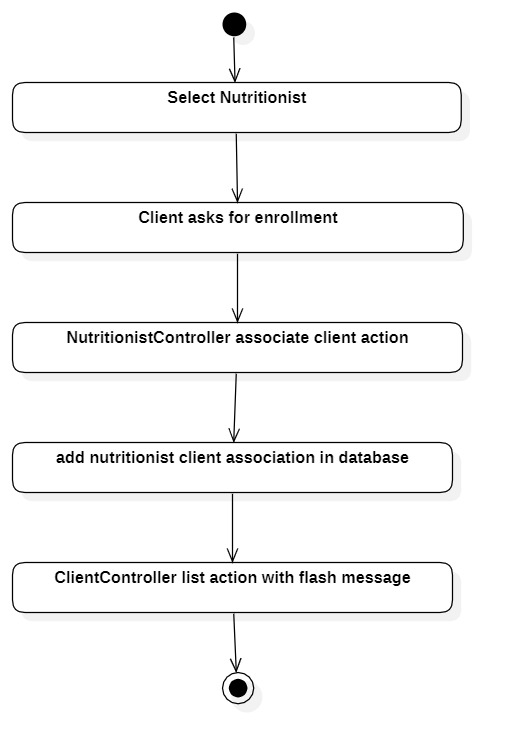
Class Diagram

Activity Diagrams

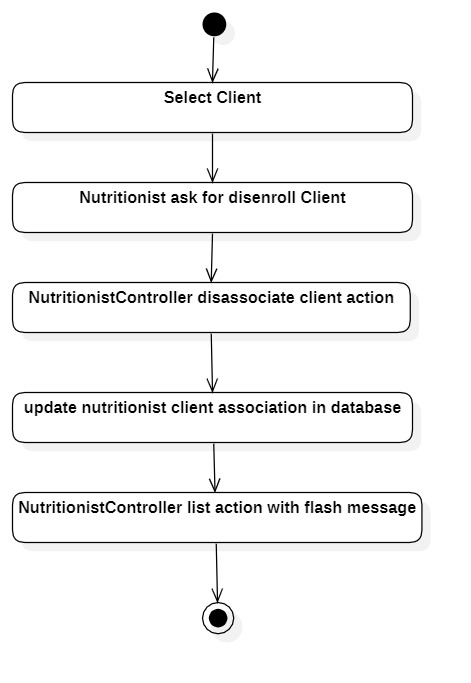


Prescribe client activity diagram

Activity diagrams of enrol and disenroll client



Enrol with nutritionist activity diagram



Disenroll with Client activity diagram