

GROUP 20

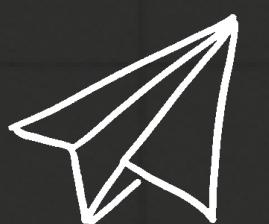
AED FINAL PROJECT

NUTRILITE

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INTRODUCTION

Nutrilite: Your Personalized Fitness and Nutrition Hub

Nutrilite empowers users to achieve their health goals by connecting them with expert trainers and nutritionists to craft tailored workout routines and meal plans. Beyond personalized guidance, the platform offers a curated range of protein powders and health products to complement users' fitness journeys.

Engage, plan, and shop—all in one platform.

TODAY'S AGENDA

Problem Statement

Stakeholders

Objectives

Diagrams

Project overview

Output

Components

Future Scope



PROBLEM STATEMENT

In today's fast-paced world, individuals striving for a healthier lifestyle often face challenges in finding cohesive solutions for fitness and nutrition. Accessing expert guidance, such as personalized workout plans and tailored nutrition advice, is fragmented and time-consuming. Additionally, sourcing quality health products like protein powders requires navigating multiple platforms, leading to inconvenience and inconsistency. This lack of integration creates barriers to achieving health goals, particularly for those seeking a seamless, all-in-one solution that aligns with their unique needs and preferences. Nutrilite aims to address these challenges by offering a unified platform that bridges the gap between fitness guidance, nutrition planning, and product accessibility.

OBJECTIVES

- **User-Centric Fitness and Nutrition Guidance** : Develop an interactive platform that allows users to collaborate with certified trainers and nutritionists for personalized workout routines and meal plans.
- **Seamless Product Integration** : Enable users to browse and purchase protein powders and other health-related products directly within the platform.
- **Community Engagement** : Foster an interactive community where users can share progress, seek advice, and stay motivated by connecting with like-minded individuals.
- **Accessibility and Usability** : Design a user-friendly interface for effortless navigation and interaction, catering to users of all fitness levels and backgrounds.

PROJECT OVERVIEW

The Nutrilite project focuses on creating an all-in-one digital platform that bridges the gap between personalized fitness guidance and nutritional support. By combining access to expert trainers and nutritionists with the convenience of purchasing health products like protein powders, Nutrilite offers users a holistic approach to achieving their health goals.

This platform is designed to prioritize user engagement, allowing individuals to interact, customize plans, and track progress in a seamless manner. Through the integration of services and products, Nutrilite aims to simplify the health journey, catering to both fitness novices and seasoned enthusiasts. The project emphasizes innovation, community-building, and delivering a streamlined experience for a healthier lifestyle.

COMPONENTS

This project is designed as per the ecosystem model. It comprises of :

1 EcoSystem : Nutrilite

1 Network : Nutrilite

5 Enterprises : Admin, User, Supplier, Trainer, Nutritionist

6 Organizations : Admin, Billing, Supplier, Trainer, Nutritionist, User

8 Roles : System Admin, Admin, Billing, Supplier, User, Trainer, Nutritionist, Manager

STAKEHOLDERS

Users (Customers)

Who they are: End-users who interact with the system to access services, purchase products, or track their activities.

Contributions:

- Feedback: Provide input on features, usability, and system performance.
- Engagement: Use the application to accomplish their tasks (e.g., purchasing, booking, or viewing information).
- Data Entry: Input personal data or preferences (e.g., dietary preferences, fitness goals).
- Relevance to the System:
 - Central to the system's purpose; their satisfaction defines the success of the project.
 - Use CustomerWorkAreaJPanel for personalized dashboards or order tracking.

STAKEHOLDERS

Trainers

Who they are: Professionals who interact with users to provide guidance, such as fitness or health-related services.

Contributions:

- Content Delivery: Provide schedules, fitness plans, or activity guides.
 - Monitoring: Track user progress and adjust plans as necessary.
 - Support: Assist users with questions or challenges related to their goals.
-
- Relevance to the System:
 - Require tools to manage their schedules, view user progress, and communicate effectively with users and nutritionists.
 - Have a specific role and dashboard within the system.

STAKEHOLDERS

Nutritionists

Who they are: Health professionals focused on dietary advice and meal planning for users.

Contributions:

- Personalized Plans: Create diet plans based on user preferences, medical conditions, or goals.
- Knowledge Base: Contribute nutritional information to the system.
- Consultation: Provide expert advice through the application (e.g., chat or video consultations).
- Relevance to the System:
 - Use the system to manage client appointments, provide resources, and track user progress.

STAKEHOLDERS

Admins

Who they are: Individuals responsible for managing the overall system, including user accounts, data integrity, and system settings.

Contributions:

- User Management: Create, update, and delete user accounts, including assigning roles (e.g., customer, trainer, nutritionist, supplier).
 - System Configuration: Manage application settings, such as available services, pricing, or system logs.
 - Security Oversight: Ensure proper access controls and data privacy.
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- Relevance to the System:
 - Central to maintaining system operations and supporting other stakeholders.
 - Manage roles and permissions.

STAKEHOLDERS

Suppliers

Who they are: Entities providing goods or services (e.g., fitness equipment, dietary supplements, or raw ingredients).

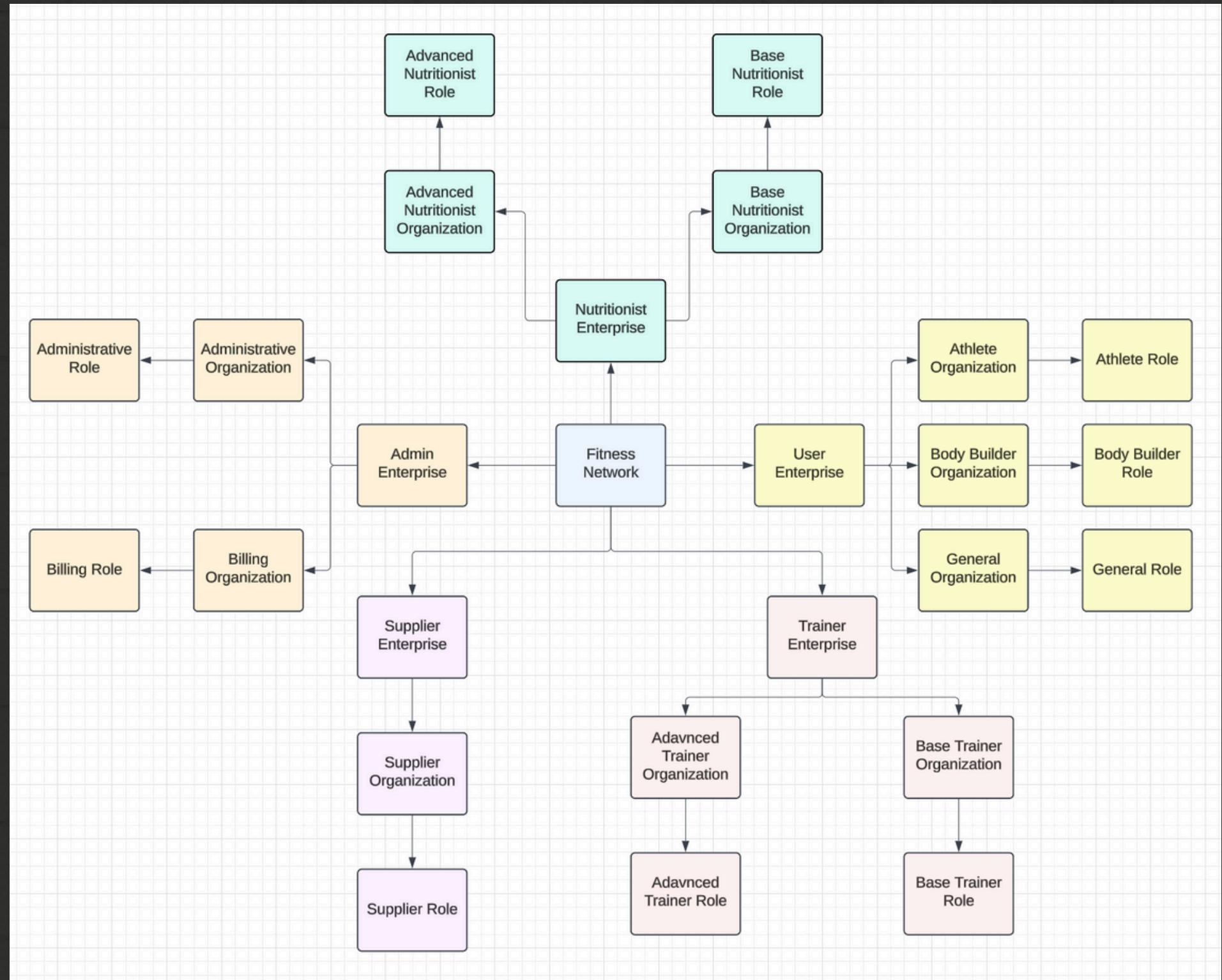
Contributions:

- Product Listings: Supply inventory details such as product descriptions, prices, and stock availability.
- Order Fulfillment: Ensure timely delivery of goods purchased by users.
- Feedback Loop: Communicate about inventory, pricing, and user demand trends.
- Relevance to the System:
 - Need tools for inventory management, order tracking, and reporting.
 - Interact with a dedicated portal for suppliers.

USE CASES

- System Admin manages the overall system
- Admins manage their enterprise
- Users can browse catalog, place orders and sign up to be assigned to a trainer and nutritionist.
- Trainer and Nutritionist interact with each other to create the perfect meal and work out plan for each user.
- Suppliers will be added by admin and they can update their product catalog.

DIAGRAM



OUTPUTS

User Name

Password

NUTRITION



A central graphic features a variety of fresh produce like carrots, tomatoes, and lettuce, arranged in a circular pattern around a pair of white over-ear headphones and several black dumbbells.

OUTPUTS

User Name

Password

Network

Enterprise

Username

Password

Name

User Name

Password

My Work Area Adminstrative Role

EnterPrise : Admin

User Name

Password

Network

Enterprise

Username

Password

Name

OUTPUTS

User Name
Admin123

Password

Login

Logout

Organization User Organization

Employee Mithran123

Role Business.Role.Us...

User Name Mith123

Password 123

User Name
Admin123

Role

Back

User Name
Mith123
Rupam123
Deepti123
Lak123

Password

Login

Logout

Organization Supplier Organiz...

Employee Lakshman123

Role Business.Role.Su...

User Name Lak123

Password 123

Refresh

Message	Receiver	Status	Result
Provide m...	Deepti123	Processing	Waiting

Request Doctor's Consent

FUTURE SCOPE

- **Advanced Role Management:** Add dynamic roles, permission hierarchies, and AI-based role recommendations.
- **Workflow Automation:** Use AI for task prioritization, optimize workflows, and integrate with RPA.
- **Data Analytics:** Provide real-time dashboards, predictive analytics, and performance tracking.
- **User Experience:** Develop mobile apps, customizable dashboards, and multilingual support.
- **Industry Customization:** Tailor features for healthcare, education, logistics, and supply chain.
- **Security:** Implement multi-factor authentication, ensure compliance, and explore blockchain.
- **AI Integration:** Use AI for recommendations, NLP for queries, and anomaly detection.
- **Collaboration:** Add tools for real-time task discussions, shared notes, and remote team support.
- **Sustainability:** Track environmental impact and adapt for non-profit workflows.

THANK
you!

