PROJECT 1

Discovery Account System

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Introduction

Project Background

Discovery rewards it members for making healthy choices and living a healthy lifestyle through Vitality. Vitality's Active Rewards programme plays a key part in this.

Active Rewards looks at members' Health and Fitness, Driving and Spending behaviour to track towards each members' weekly goals.

Project Scope:

As a backend developer for Discovery Vitality I need to design the Account system that manages the Active Rewards currency as well as Discovery Miles.
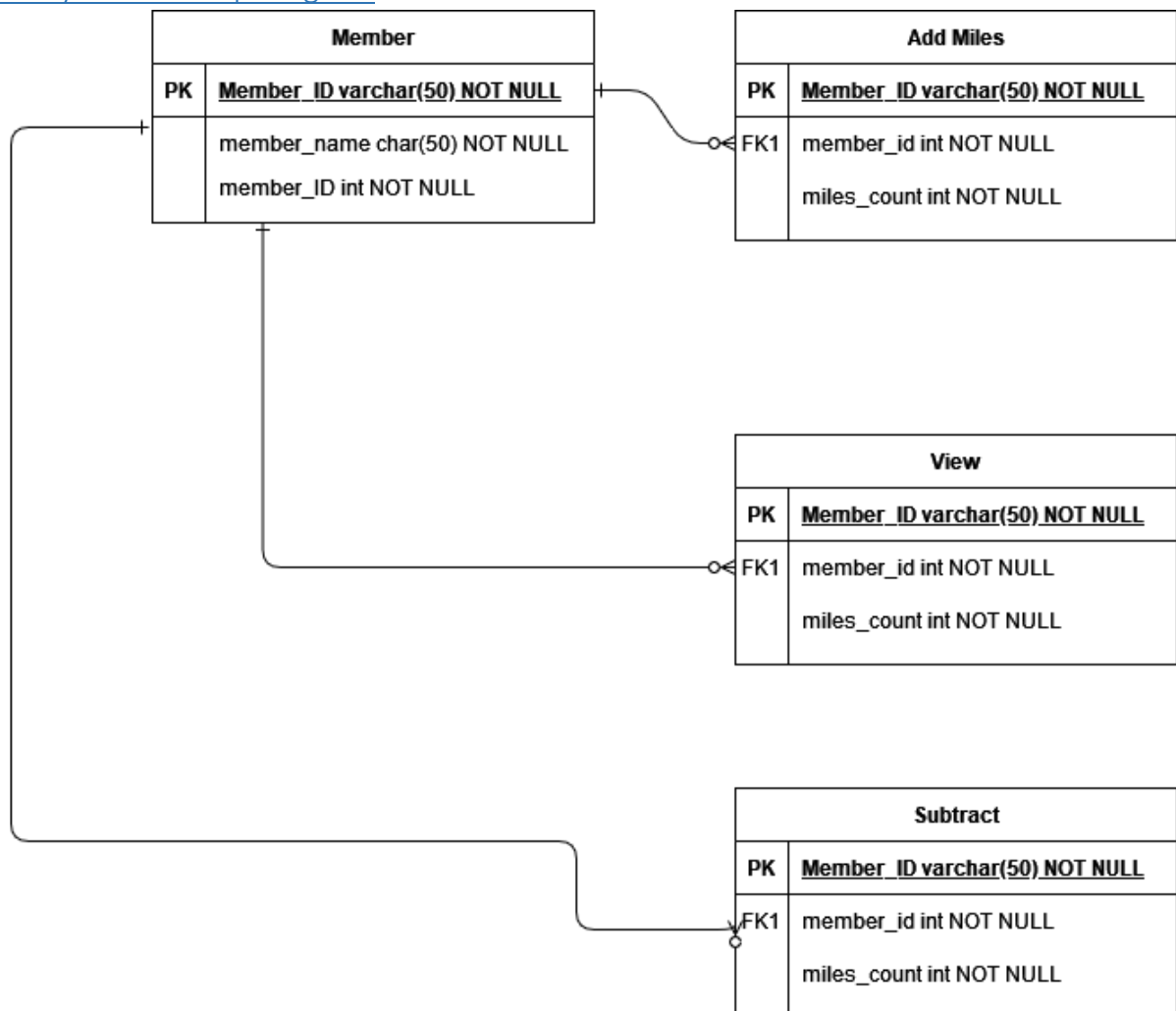
Project Requirements and Specifications:

➢ Each member of Discovery Vitality should be able to add Miles to their Miles account through the tiles they reveal on the gameboard that allows them to earn and accumulate these Miles.

➢ Each Member should be able to view their Miles in their Miles accounts in order for them to know how many Miles they have accumulated for the rewards they desire.

➢ Each member should be able to subtract Miles from their Miles accounts in order to exchange their Miles for rewards.
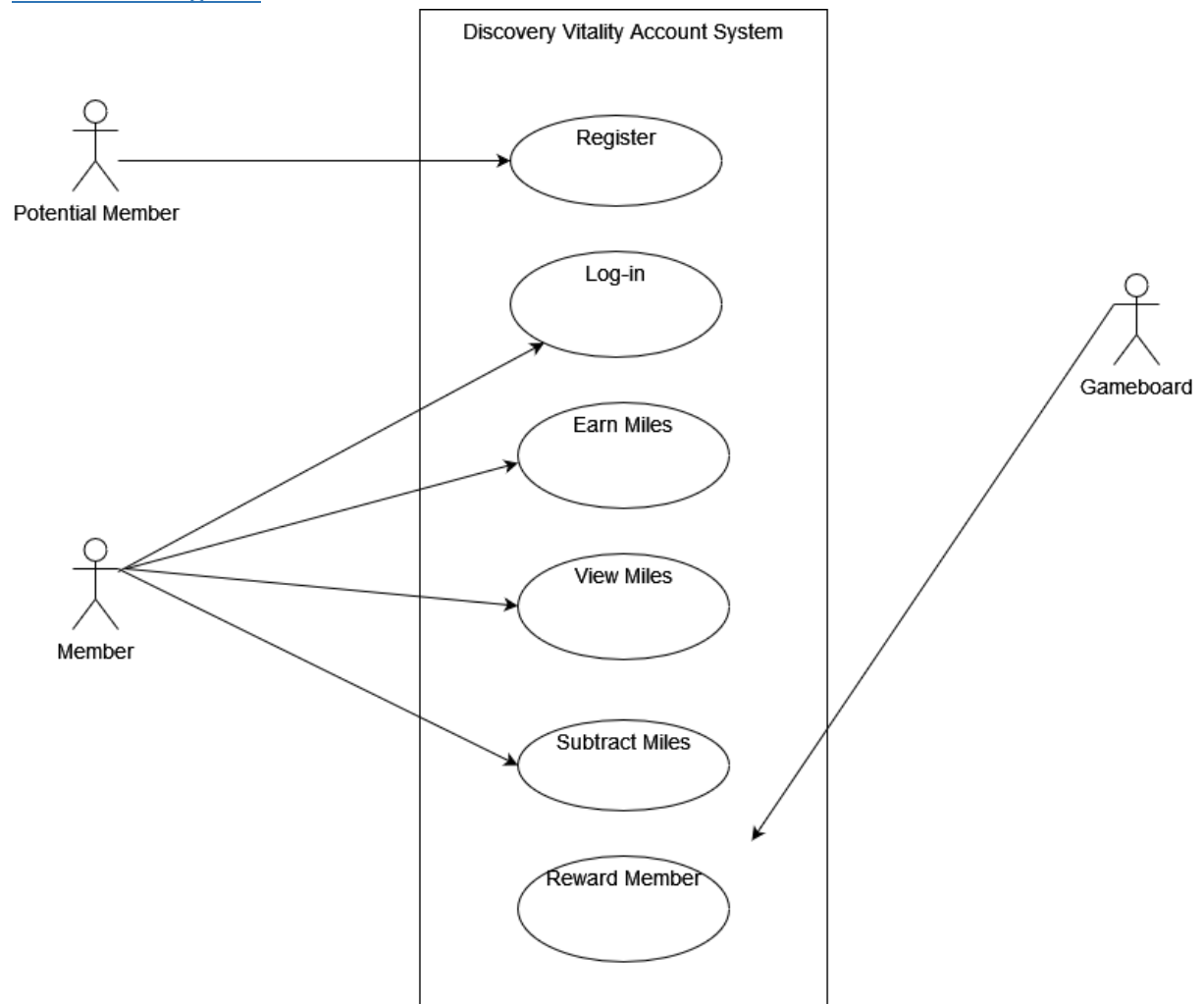
Using a specified set of technology stack I will be aiming to satisfy the above mentioned requirements to the best of my ability.
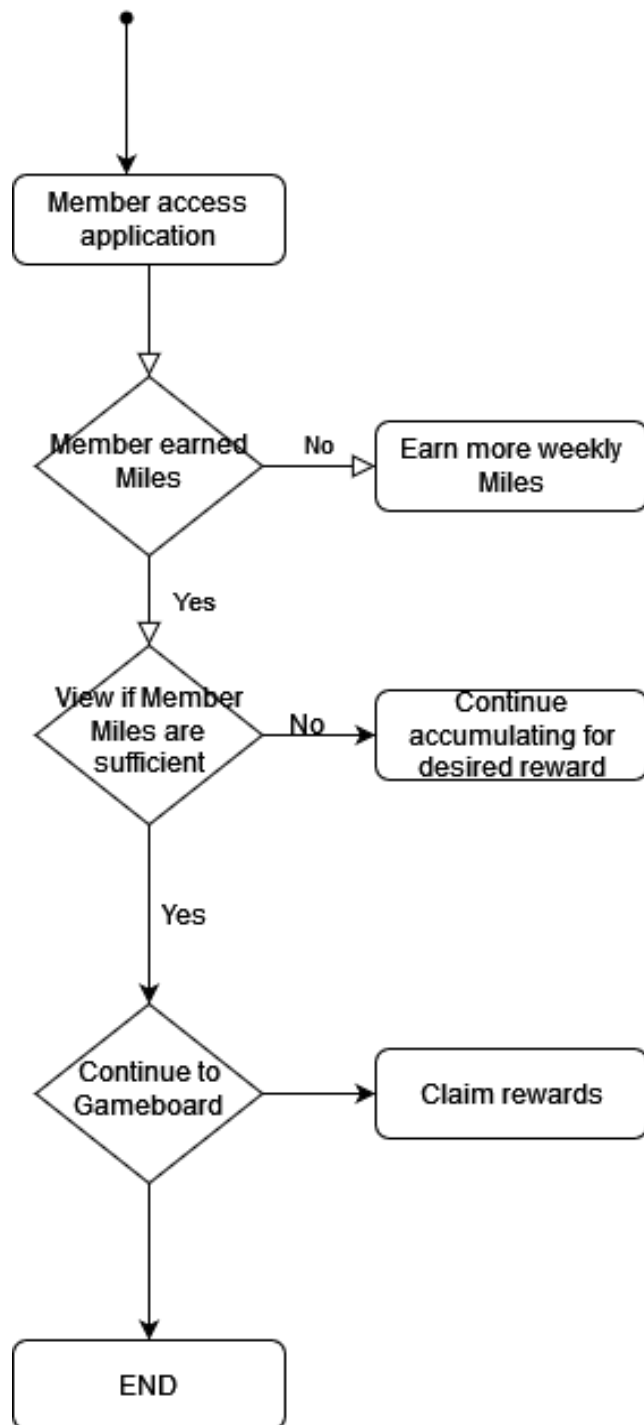
Diagrams

Entity Relationship Diagram

Member		
PK	**Member_ID varchar(50) NOT NULL**	
	member_name char(50) NOT NULL	
	member_ID int NOT NULL	

Add Miles		
PK	**Member_ID varchar(50) NOT NULL**	
FK1	member_id int NOT NULL	
	miles_count int NOT NULL	

View		
PK	**Member_ID varchar(50) NOT NULL**	
FK1	member_id int NOT NULL	
	miles_count int NOT NULL	

Subtract		
PK	**Member_ID varchar(50) NOT NULL**	
FK1	member_id int NOT NULL	
	miles_count int NOT NULL	

Discovery Vitality Account System

Potential Member

Register

Member

Log-in

Earn Miles

View Miles

Subtract Miles

Reward Member

Gameboard

Flow Diagram

User how to Guide

This easy to use guide is to assist members on how to easily navigate through the application. Before using the application please note that:

- This application is designed to be used for members of the Discovery Vitality, if you wish to be a member simply register in order to start earning and accumulating Discovery Miles.
- Members can only receive rewards once their weekly goals are achieved.
- This application focuses solely on members' health, fitness, driving and spending weekly activities.
- Each week a new gameboard is revealed where members can use their accumulated weekly plays to participate.
- Miles are earned when a member clicks on a hidden tile.
- The gameboard is then only revealed once members have finished all their weekly plays.
- Miles earned are then exchanged for a reward voucher where members can then use their Miles to redeem and claim their vouchers.
- Members can then use their claimed vouchers to purchase rewards worth the Miles redeemed.

Healthy choices mean more Miles and more rewards.