PLANTSNEST
CSCI 567
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OVERVIEW

1. Project Description

Plants Nest Project:

Produce a Flutter application that mimics the diary one would hold for their plant. Helping individuals manage their plants through their mobile device, providing a useful interface that produces a history of each user's plants growth and provide useful details for future reference.
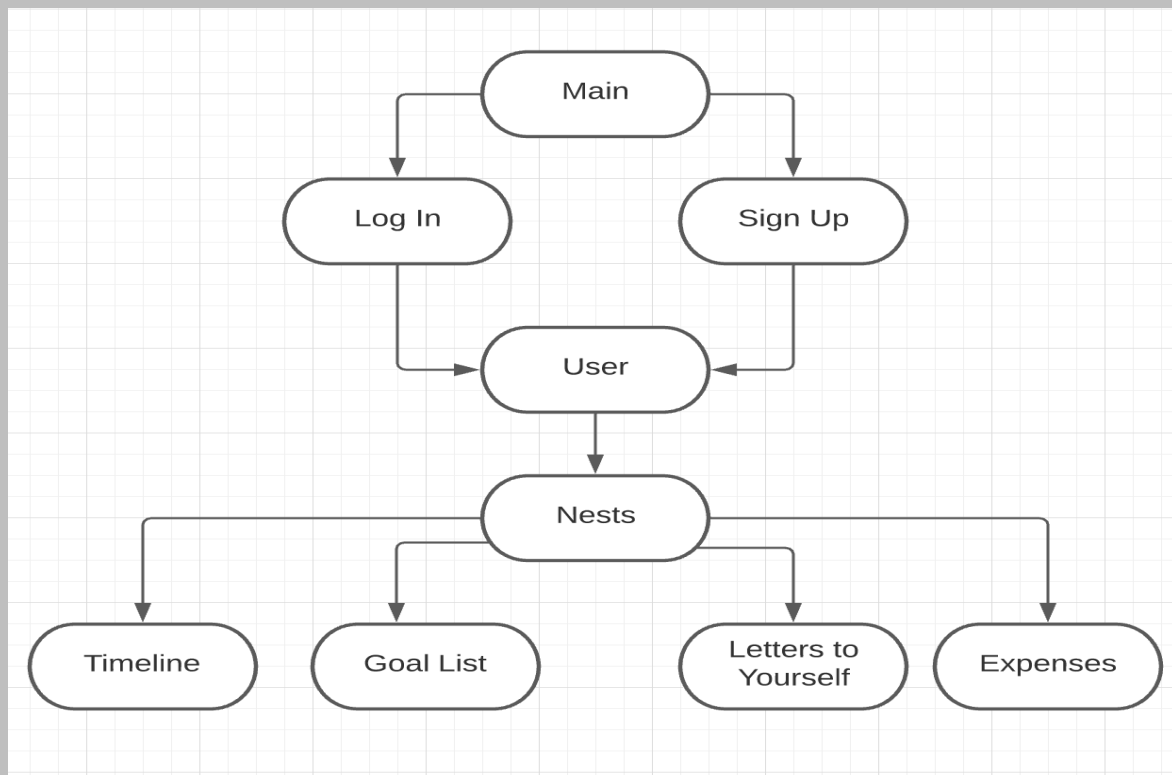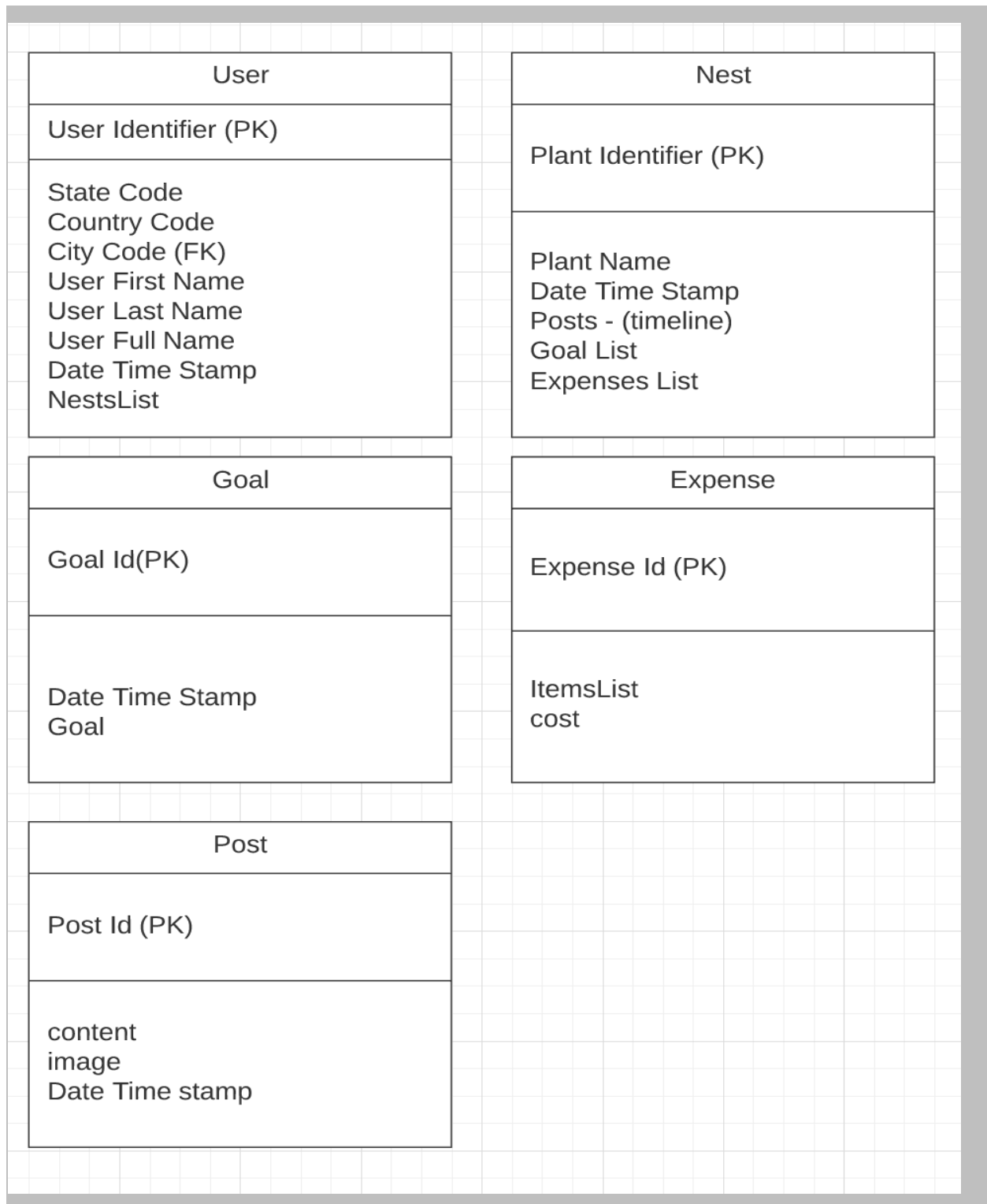
2. Project UI's

- Landing pages:
    1. Login
    2. Sign Up
    3. Nest (plants news feed) – can have multiple nests
        - Consist of:
            - Timeline – Pictures (of observations) - Annotations
            - Goal list – (each nest)
            - Letters to yourself – Plants to avoid – Successful ones
            - Expenses – (each nest)
    4. Profile

3. Diagram Screen Relationships

ℹ️ *App landing page mapping*

4. Database Implementation

User
User Identifier (PK)
State Code Country Code City Code (FK) User First Name User Last Name User Full Name Date Time Stamp NestsList

Nest
Plant Identifier (PK)
Plant Name Date Time Stamp Posts - (timeline) Goal List Expenses List

Goal
Goal Id(PK)
Date Time Stamp Goal

Expense
Expense Id (PK)
ItemsList cost

Post
Post Id (PK)
content image Date Time stamp

5. Deliverables

- Main UI(buttons to Login or Signup)
- Login Page(email) – Google Login
- Sign Up
- User Nest Pages
    1. Timeline
    2. Goals
    3. Expenses
- User data saved to Firebase Firestore DB

6. High-Level Timeline/Schedule

Description	Start Date	End Date	Duration
Project Start	March 20, 2021		
Main UI			
Login UI			
Sign Up UI			
Nest UI			
Timeline UI			
Goals UI			
Expenses UI			
Phase 1 Complete	March 22, 2021	April 4, 2021	2 Weeks
User Model			
Nest Model			
Post Model			
Goal Model			
Expense Model			
Phase 2 Complete	April 5, 2021	April 10, 2021	1 Week
User Sign Up widget			
User Login widget			
New Nest, default widget			
Create Post widget			

Log Expense widget			
Display Expense widget			
Set Goal widget			
Display Goals widget			
Phase 3 Final	April 10, 2021	May 17,2021	4 Weeks