My name is Mahpara Saleem and my group ID is IT-F17-14.

INTRODUCTION AND PROBLEM DESCRIPTION:

As per the requirement of industrial project and the requirement of Islamabad Pet and Avian Hospital, I decided to develop an application named “Pet Diet and Health Care Planner”.

I personally feel the need for such an app because first of all there is no app that is targeting the needs of a lay man who’s keeping a pet.

And also, the American apps that are currently available on the App Store/ Google Play do not match with the requirements of the people living here in Pakistan and they only target one feature

Like appointment.

FEATURES:

They key features of the applications are:

1. Plan the diet plan of the pet according to the pet specie, age group and breed. So that a layman knows better about what type of specie and breed with a particular age group should be feed in ml and cups.
2. Provide the disease details and treatment suggestions.
3. Provide the facility to generate Notification alarm on proper time. So that pet should be feed on time.
4. It will also enable the user to schedule appointments with the veterinary doctor at any time.

TOOLS AND TECHNOLOGY:

TOOLS:

Android Studio 3.0.1

Sublime Text 3.0 for web

Canva (shades)

Adobe Photoshop

Ms Office (Documentation and Presentation)

TECHNOLOGY:

Firebase is used as a technology. It is a cloud based server providing many services like user authentication, database, security, and hosting etc. Develop by GOOGLE in 2015.

LANGUAGES:

Android app:

JAVA

JSON (Database)

C# (textboxes)

C++ (classes)

Website:

Html

CSS

JavaScript

DATABASE:

The technology that I’ve used is Fire Cloud, a database which is component of Google Online Server like Storage and Authentication.

METHODLOGY:



IMPLEMENTATION:

Separate implementation for android and web application.

Android application consists of 10 activities. Which is further based on the supported java classes. There are four major modules.

1. Generate pet Diet plan
2. Diseases Details
3. Alarm Notification
4. Appointment Details

Algorithms are non-sequel.

SOCIAL IMPACT:

So, I feel like we should be developing such apps to faster the segment of our society. Also, this application will be very beneficial for the vet hospitals and people of our society as well as it target multiple requirements.