

**CS 491 (A)**

**Prototype Requirements**

**P04: Dairy Farm Management System**

**<team member names & ids>**

| **Student ID** | **Name** |
| --- | --- |
| **22100125** | **Abdullah Saleem** |
| **22100070** | **Furqan Athar** |
| **22100072** | **Khawaja Junaid** |
| **22100209** | **Saad Qadeer** |

**Table of Contents**

[1.](#_heading=h.gjdgxs) Introduction 3

[2.](#_heading=h.30j0zll) Instructions 4

[3.](#_heading=h.1fob9te) List of Requirements 5

[4.](#_heading=h.3znysh7) Where to Access the Prototype 6

[5.](#_heading=h.2et92p0) Review checklist 6

# Introduction

In attempts to modernize the dairy industry in Pakistan, which is one of the greatest producers and consumers of milk and other dairy products in the region, our proposed and developed system will present a solution to better manage the dairy farms and optimize sales and help in better record keeping.

Furthermore, multiple dairy farm owners will have the opportunity to set up their accounts on our management system, as we aim to develop a multi-tenant software, which will aid them in getting more customers and for the better management and record keeping of their farms. The system will allow the customer to keep track of daily milk production, sales, expenses and maintenance. Moreover, the system will also provide an interface for the customers of the dairy farm to check their delivery and monthly invoice.

Potential users of our management system include dairy farm owners (who wish to digitize their records and keep an updated track of their farms) and the customers who wish to order dairy products, be it for domestic or commercial use.

The main purpose of this product will be to provide multiple tenants a way to see various trends in their milk production, expenses and income streams and to make better decisions for the future.

# Instructions

<

* Select a subset of system requirements and implement them. The end result of the prototype phase must be a working system with the selected set of requirements implemented completely. No mock-up screens will be accepted.
* Don’t select simple requirements such as Login/Logout for prototype phase, you can implement them later.
* Select the set of requirements keeping in mind that you have a total of three weeks for prototype development. I would ask you to add more requirements if I think that you can do more in the given duration.
* The prototype must be built using the tools and technologies which you have selected for your system development.
* By the end of the prototype development phase,
  1. You should have learnt development tools and technologies.
  2. You should have a clear idea of the detailed technical architecture of your system. After the prototype phase, you will be required to define detailed technical architecture of your system.
* **Prototype Submission**
  1. Properly tested **working prototype** deployed on an online hosting platform.
  2. **Code** with proper comments uploaded in “prototype” folder of your project’s Github repository.
  3. **3-4 minutes video** that explains the functionality of your prototype—to be uploaded in “prototype” folder of your project’s Github repository.

>

# List of Requirements

<List down the requirements selected for prototype development.>

| **Requirements** | |
| --- | --- |
| **Sr#** | **Requirement** |
| 1 | The tenant admin should be able to register his dairy farm and access his account. |
| 2 | The tenant admin should be able to add more admins and managers into his business account. |
| 3 | The tenant admin should be able to edit his business account details and manage the access of managers in his business account. |
| 4 | The tenant admin and managers should be able to login into their accounts. |
| 5 | The tenant account users should be able to add/edit animal details into their dairy account. |

# Where to Access the Prototype

<Mention here how to access the prototype that you have deployed on an online hosting platform. You don’t need to give this information at this stage; you can update this section after you have deployed the prototype.>

# Review checklist

| **Section** **Title** | **Reviewer Name(s)** |
| --- | --- |
| Introduction | Khawaja Junaid, Furqan Athar |
| List of Requirements | Abdullah Saleem, Saad Qadeer |