TO-DO LIST SYSTEM WITH CALENDAR INTEGRATION

FOR

ICARUS SHIRTS (BONANZA ENTERPRISE)

A Thesis Project Presented to the
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DEPLOYMENT DOCUMENTATION

INTRODUCTION

Purpose

The To-Do List System with Calendar Integration was developed for Icarus Shirts to improve task and time management by providing a centralized platform for scheduling, organizing, and monitoring activities. The purpose of the deployment is to successfully install and configure the system on the client's machine, ensuring that it functions smoothly in the actual business environment.

The objective of this deployment is to transition the system from the development and testing environment into the client's production environment with minimal disruption. It aims to make the system operational, accessible, and reliable for daily use in managing production schedules and customer orders.

The scope of this deployment is a full deployment on the client's local computer. Since the system is designed for a single-user environment, deployment will focus on ensuring the correct installation of the application, its database, and dependencies on the client's machine.

DEPLOYMENT PLAN

The deployment will follow a structured rollout strategy to ensure smooth installation and verification.

Deployment Schedule and Milestones

Phase	Description	Start Date	End Date	Status
Pre-Deployment	Preparing environment, configuring system settings	-	-	Pending
Deployment	Installing and setting up the system on client device	-	-	Not Started
Post-Deployment	Testing, monitoring, and providing support	-	-	Not Started

DEPLOYMENT ENVIRONMENT

Hardware Requirements

- Device: Desktop or Laptop (for office use)
- CPU: Intel i3 10th Gen or Ryzen 3 (or higher)
- RAM: Minimum 4 GB
- Storage: 256 GB HDD/SSD

Software Requirements

- Operating System: Windows 10 or Windows 11
- Database: SQL Server Management Studio (SSMS) and SQL Server Express
- Dependencies: .NET Framework (for running the application)

DEPLOYMENT PROCEDURES

Pre-Deployment Steps

- Make a .bak file for the database and mdl file to attach the new database to the client's computer.
- Install prerequisites (.NET Framework, SQL Server Express, and SSMS).
- Attach and configure the local database for the To-Do List System

Deployment Execution

- Copy the executables of the system to the client's machine.
- Initialize the system and check for missing dependencies or errors

Post-Deployment Steps

- Run functional test cases to ensure the system works as expected.
- Monitor system performance for stability during the first run.
- Provide user training on creating tasks, viewing the calendar, and using reminders.

USER TRAINING & SUPPORT

A **training session** will be conducted with the client to demonstrate system functionality after the set-up of the system.

User Manual

Create Account (New user)

- If there are no user and passwords yet, this form will show up.
- Enter your username & password you want to use.
- Choose your security question and enter the answer in the textbox below.

Log In Form

- When the application starts, the Log In Form appears.
- Enter your password in the input field.
- Upon successful login, the system will direct you to the Dashboard.

Dashboard

The Dashboard is the central hub of the system. It contains:

- **Recently Added Tasks** – Displays the three most recent tasks.
- **Add Task Button** – Opens the task creation window.
- **Completed Tasks Preview** – Shows the two most recent completed tasks.
- **Task Status Summary** – Displays the percentage of tasks that are **Completed**, **In Progress**, and **Not Started** in a circular chart.
- **Navigation Panel (Left Side)** – Provides buttons that lead to different sections:
  - My Vital
  - My Task
  - Calendar
  - Completed
  - Recycle Task
  - Settings
  - Log Out

My Vital

- Displays a list of tasks with **Extreme Priority**.
- Selecting a task shows its details on the right panel.
- Functions:

  - **Edit Task** – Select a task and click the **Edit** button to update its details.

Add/Update Task Window

When adding or editing a task, a new window opens where you can enter or modify the following:

- **Title** – Short name of the task.
- **Deadline** – Task due date.
- **Priority Level** – Choose between *Extreme*, *Moderate*, or *Low*.
- **Description** – Full description of the task.
- **Status** – Select between *Not Started* or *In Progress*.
- **Image** – Option to attach an image for reference.

My Task

- Displays **all tasks** created in the system.
- Layout is similar to My Vital, with task list on the left and task info on the right.
- Functions:
    - **Edit Task** – Modify selected tasks.
    - **Delete Task** – Moves the task to the Recycle Bin.
    - **Add Task** – Create new tasks with any priority level.

Calendar

- Provides a **visual calendar interface**.
- Displays task deadlines on their respective dates.
- Supports daily, weekly, and monthly viewing for better task planning.

Completed

- Displays a list of all **Completed Tasks**.
- Same layout as My Vital (task list on the left, details on the right).

Recycle Task

- Displays a list of **Deleted Tasks**.
- Layout is the same as My Vital, but the **Edit button is replaced with Restore**.
- Functions:
    - **Restore Task** - Moves the selected task back to the active task list.
    - **Delete Task** – Permanently delete a task.

Settings

The Settings tab allows the user to configure the system:

1. **Change Password** – Update the login password.
2. **Back Up Database** – Create a .bak backup file of the current database.
3. **Restore Database** – Recover the system using a previously saved backup file.

Log Out

1. Ends the current session and returns the user to the **Log In Form**.
2. Ensures system security by preventing unauthorized access when the system is left unattended.

Support Contact Details

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RISKS & CONTINGENCY PLAN

Risk	Impact	Mitigation Strategy
System installation failure	High	Verify prerequisites before installation; keep backup installer.
Database connection failure	Medium	Test SQL Server configuration; provide default scripts to reset database.
User resistance to adoption	Medium	Provide thorough training and easy-to-read manuals.
Data loss during setup	High	Ensure backups are created before deployment.
Performance issues	Medium	Optimize queries and verify machine meets minimum requirements.
Post-deployment bugs	Medium	Provide bug reporting channel and schedule quick fixes.