Test Plan

# **Test plan**

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# **Introduction**

This test plan is created to describe the features that will be tested in the timesheet application also the tools to be used to run tests.

## Purpose

The purpose of this test plane is to test the functionality of Timesheet Application

* Identify test cases to be followed.
* To the features of the system to be tested.
* The criteria to be used to identify if the test passed or failed.
* To describe testing strategies to be used.
* Identify the required tools to perform tests.

## Scope of testing

* All features of Timesheet that were defined in system requirements will be tested.
* The functionality of the system will be tested by providing input to the system and get the output form the system, then the output will be evaluated if it corrects or not. This testing will be done for each implementation of a user story in the system to identify bugs.
* The user interface of the system will be tested by navigating through the system, performing all required specifications.
* The critical part of the system that will be tested is that the system can retrieve the desired data form the database.

## Features to be tested

**List the Total hours per Person**: A user can List the total hours per person by choosing the Month and year.

**List the Total hours per Project**: A user can List the total hours per project by choosing the Month and year.

**Lists all the users:** A user list all users by enter the part of the full name and display all users that have the full name start by the provided full name.

**Lists the full Timeslots for a user**: A user list a Timeslotsfor a certain user by enter the part of the full name and display the fulltime slot for that user.

## Test passed or failed Criteria

All the functionalities must be regarded as 100% pass.

## Testing strategy

## 

To make sure that application works as intended t, the functionality of the system will be tested with SQL database to retrieve data.

* This will be done by providing correct and incorrect data to the system to verify if the output is valid or not.
* The interface of the system will be tested by clicking supplying input into textboxes, Dropdowns and buttons.

Some errors can be recovered early in the system before performing manual testing:

* Test-Driven-Development (TDD) will be used to test the system methods to make sure that they are error free and working correctly.

## Testing tools

NUnit

NUnit3TestAdapter

SQL Server

# Approvals

|  |  |
| --- | --- |
| **Name** |  |
| **Signature** |  |
| **Date** |  |