

# TODO Application Database Design

## 1. Introduction

The TODO app is a simple web application that will allow a person to manage their daily tasks. The purpose of creating this application is to provide people with a tool to help them manage their daily tasks in an easy way. The design of this database has been created based on prior knowledge on what information needs to be collected.

The data is stored in MySQL on an apache server running in a windows environment. The data will be accessed from a web interface that uses PHP and running on an Apache web server. The design is created to allow for data to be entered and accessed easily as well as be maintained easily.

## 2. Selecting Software

Minimum Requirements:

1. Must be able to restrict the data to specific ranges to reduce possible errors when entering data
2. Be able to run stored SQL statements for automated functions
3. Has to run on windows

MySQL met all the requirements and was chosen for the database software and Apache Server was selected for the web server along with PHP for the language.

## 3. Database Design

First step is to understand what data needs to be collected. For the purposes of this TODO app those pieces of data are:

Task

Status of task

Due Date

Taskid(automatically assigned)

### 3.1 Tasks Table

Column Name	Type	Description	Valid Values	Key
taskid	Int	This is the numeric identifies for the task.	Integers up to 10 digits	Primary key
task	varchar	Name of the task inserted	250	no
ddate	varchar	Date task is due	50	no
status	varchar	Status of the particular task	150	no