

Concept Document

PAT Phase 0 – Grade 12

Prepared by Marco de Sá

Maragon Mooikloof

3/4/2022

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# Theme Summary

HobbyZA is a company that owns multiple hobby shops. They want a database that displays all employees and the owners of owned shops. The database should be able to store large amounts of data.

To help make the program easier to use it will have a user friendly GUI. This will make the viewing of employees of the shop easy. It will also feature a display showing the current data in the table.

# Database: Relationship diagram

tblEmployees

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblEmployees | | | | | | |
| EmployeeID | StoreID | Firstname | Surname | Username | Password | Manager |

Query

1. To find the shopID
2. To sort names alphabetically
3. To find if the employee is a manager

# Flow between screens

I will use a window that has buttons that when pushed will open other tabs that can be used to either view the data or change it. Buttons on the main window will be view table, insert into table, remove from the table and change data.

View button will open a tab that gives a view of the full table. Insert into button will give options to insert into places with specific areas with conditions. The remove button will give options to remove specific sets of data.

Login

-user enters their Username and Password

-directs user to Menu screen

Menu

-directs user to Main screen

-directs user back to Login

Main screen

-presents all frames mentioned below

- directs user back to Login

add

-Inserts entirely a new employee

-hides itself

delete

-removes an employee from the table

-hides itself

update

-changes data in the table

-hides itself