Accurate Auto Inventory

# System Design Document

Version 1

12/04/2016

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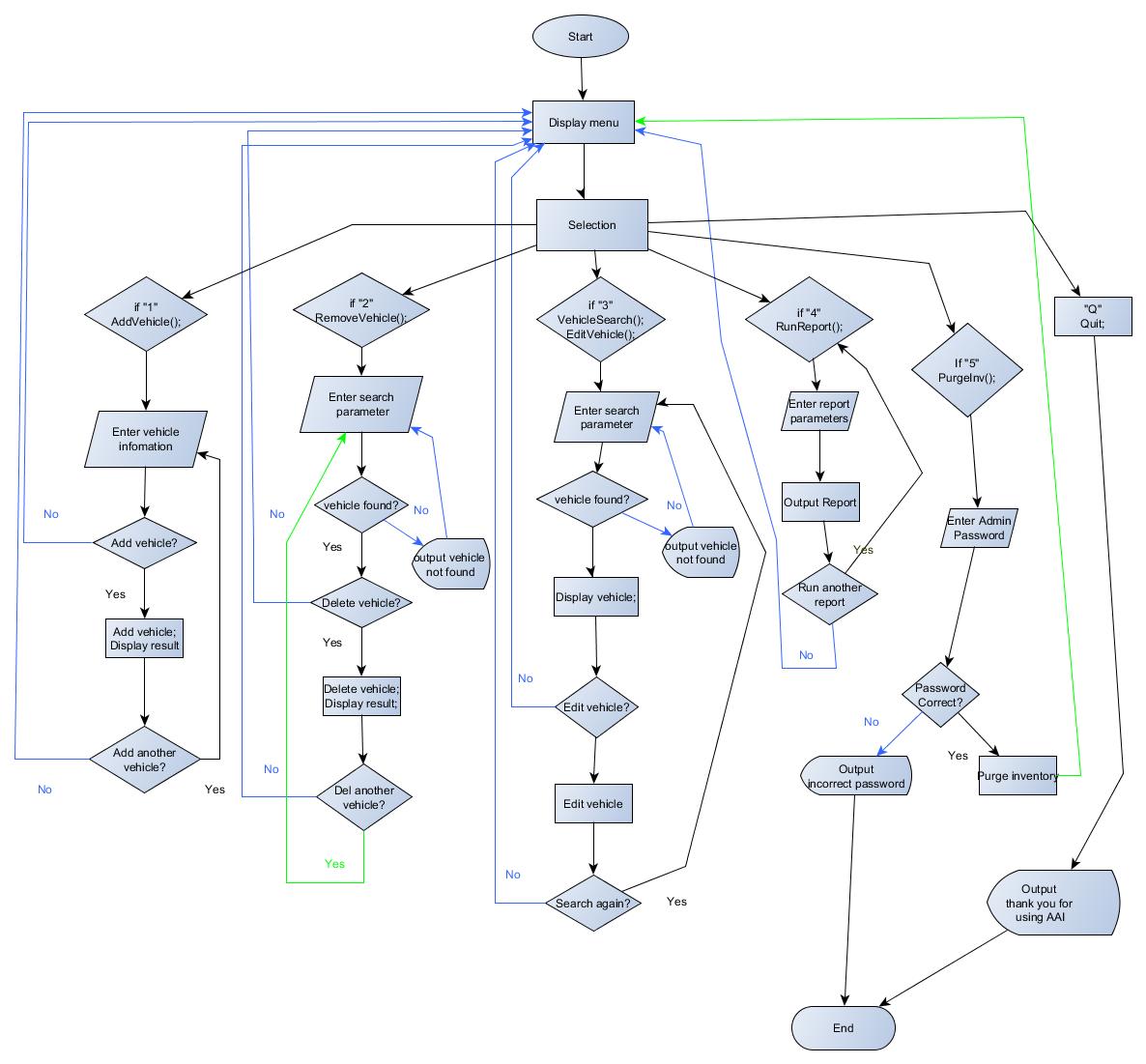
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## Top down design model

../../../../../Downloads/Accurate%20Auto%20Inventory.pd

## Flow Chart



## Pseudocode

### Add Car

//Get inventory input from form

//Receive input from form capture it to var

inventoryNumber = textbox1

make = textbox2

model = textbox3

price = textbox4

add(inventoryNumber, make, model, price)

void add(inventoryNumber, make, model, price){

this inventoryNumber = inventoryNumber

this make = make;

this model = model

this price = price

//Verify information

While (inventoryNumber || make is empty || model is empty || price is empty)

{

if (inventoryNumber is empty)

{

print “Inventory Number can’t be empty”

}

else if (make is empty)

{

print “Make of car can’t be empty”

}

else if (model is empty)

{

print “Model of car can’t be empty”

}

else (price is empty)

{

print “Price of car can’t be empty”

}

}

//get ride of duplicate inventory numbers

for (I = 0, i > inventoryArray.count, 1++)

{

if ( inventoryArray[ i ] == inventoryNumber

}

//Add input to array

inventoryArray.add(new(make, model, price))

}

### Remove Car

//input from current selected vehicle

inventoryNumber = label1

remove( inventoryNumber)

void remove(inventoryNumber){

this.inventoryNumber = inventoryNumber

//remove item from array if inventory number is null

inventoryArray.Findindex.remove(inventoryNumber)

}

### Run inventory, Purge & Quit

// additional PseudoCode for Accurate Auto Inventory

public static void RunReport(){

// prompt input from user

Console.WriteLine("Please enter report you would like to run" 1-Total Inventory, 2- Manufacturer, 3- Year);

int report = int.Parse(console.ReadLine());

switch (report)

case 1 = Console.WriteLine(array.length.ToString)

case 2 = Console.WriteLine("Please enter the desired manufacturer");

int manufacturer = Console.Readline;

for (i=0; i < array.length; i++)

if (manufacturer == array[i])

{

Console.WriteLine(array[i])

}else

Console.WriteLine("No vehicles found");

case 3 = Console.WriteLine("Please enter desired year")

int year = Console.Readline;

for (j=0; j < array.length; j++)

if (year == array[j])

{

Console.WriteLine(array[j]);

}else

Console.WriteLine("No vehicles found");

}

public static void Purge(){

// prompt user for password

string MainPassword = Autho1;

Console.WriteLine("Please enter your password");

string password = Console.ReadLine;

if (password == MainPassword)

{

for (int k =0; k < array.length; k++)

array[k] = null;

return to main menu

}else

Console.Writeline("Password incorrect. Thank you for using Accurate Auto Inventory, good bye");

}

public static void Quit(){

Console.WriteLine("Thank you for using Accurate Auto Inventory, good bye");

}