



AGILE SOFTWARE ENGINEERING

PRESENTED BY: AHMED ELAWAMRY

13P3118
CESS

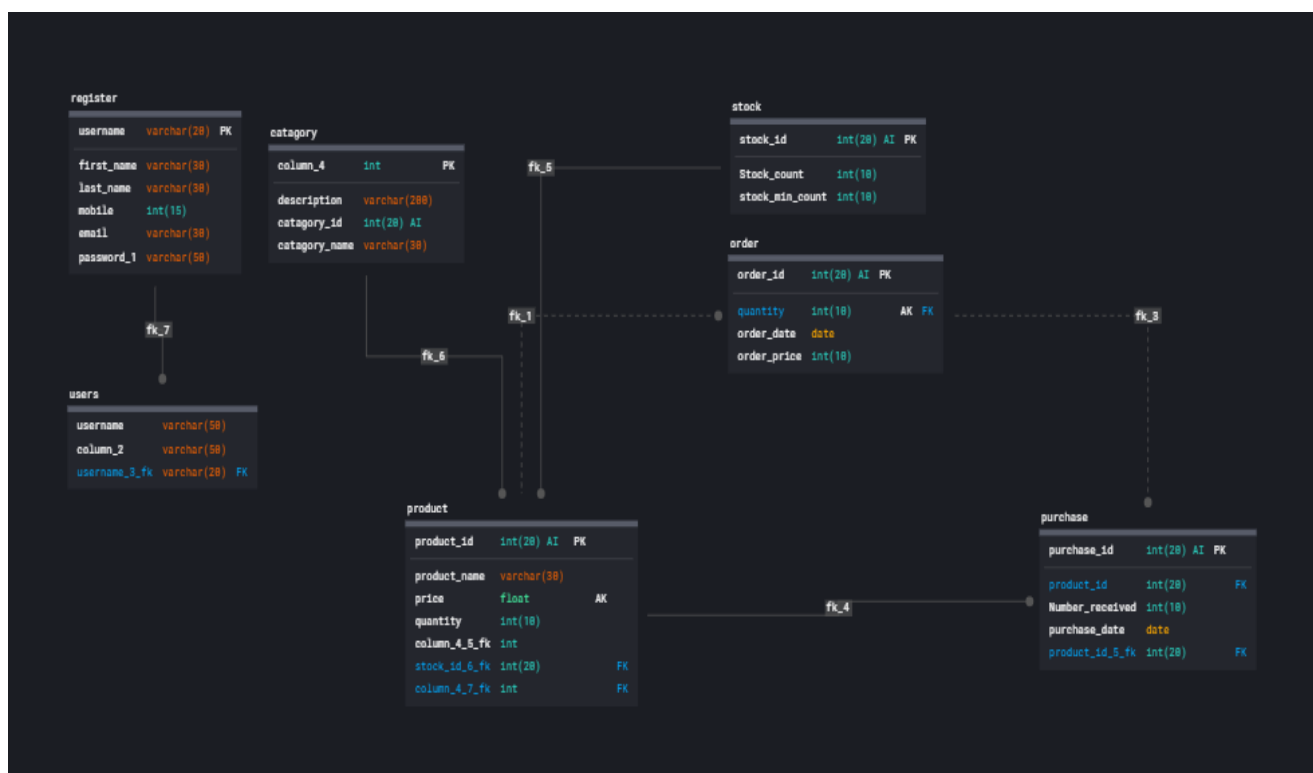
Customer meeting report

The customer required an inventory management system for a charity to manage the outlet store inventory.

Requirements:

- 1 – Login Page
- 2 – Dashboard
- 3 – Stock count module
- 4 – Purchase Module
- 5 – Ability to edit stock levels
- 6 – Ability to add or remove item
- 7 - Ability to generate reports
- 8 – Cloud Based
- 9 – user friendly UI/UX

Database Schema:



Documentation:

1) Software Used:

- The project was implemented using PHP Language and MySQL Database
- The Project was managed using JIRA and GitHub
Link → <https://inventory-management-system-13p3118.atlassian.net/>
Link → <https://github.com/AhmedElawamry/Inventory-managment-system>
- The Project was Prototyped using Bubble.io

2) Database:

```
-- phpMyAdmin SQL Dump
-- version 4.5.1
-- http://www.phpmyadmin.net
--
-- Host: 127.0.0.1
-- Generation Time: Jan 12, 2019 at 09:57 AM
-- Server version: 10.1.13-MariaDB
-- PHP Version: 7.0.8
```

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";
```

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;
```

```
--
-- Database: `inventorymanagement`
--
```

```
-----
```

```
--
-- Table structure for table `catagory`
--
```

```
CREATE TABLE `catagory` (
  `catagory_id` int(20) NOT NULL,
  `catagory_name` varchar(30) NOT NULL,
  `description` varchar(200) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
-----
```

```
--
-- Table structure for table `order`
```

```
--

CREATE TABLE `order` (
  `order_id` int(20) NOT NULL,
  `quantity` int(10) NOT NULL,
  `order_date` date NOT NULL,
  `order_price` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-----

--
-- Table structure for table `product`
--

CREATE TABLE `product` (
  `product_id` int(20) NOT NULL,
  `product_name` varchar(30) NOT NULL,
  `price` float NOT NULL,
  `quantity` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `product`
--

INSERT INTO `product` (`product_id`, `product_name`, `price`, `quantity`) VALUES
(4, 'lux', 12, 3);

-----

--
-- Table structure for table `purchase`
--

CREATE TABLE `purchase` (
  `purchase_id` int(20) NOT NULL,
  `product_id` int(20) NOT NULL,
  `Number_received` int(10) NOT NULL,
  `purchase_date` date NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-----

--
-- Table structure for table `register`
--

CREATE TABLE `register` (
```

```

`username` varchar(20) NOT NULL,
`first_name` varchar(30) NOT NULL,
`last_name` varchar(30) NOT NULL,
`mobile` int(15) NOT NULL,
`email` varchar(30) NOT NULL,
`password_1` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `register`
--

INSERT INTO `register` (`username`, `first_name`, `last_name`, `mobile`, `email`, `password_1`) VALUES
('frpartho', 'Partho', 'Bala', 1686998128, 'parthobala019@gmail.com',
'827ccb0eea8a706c4c34a16891f84e7b');

-----

--
-- Table structure for table `stock`
--

CREATE TABLE `stock` (
  `stock_id` int(20) NOT NULL,
  `Stock_count` int(10) NOT NULL,
  `stock_min_count` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Indexes for dumped tables
--

--
-- Indexes for table `catagory`
--
ALTER TABLE `catagory`
  ADD PRIMARY KEY (`catagory_id`);

--
-- Indexes for table `order`
--
ALTER TABLE `order`
  ADD PRIMARY KEY (`order_id`);

--
-- Indexes for table `product`
--
ALTER TABLE `product`
  ADD PRIMARY KEY (`product_id`);

```

```

--
-- Indexes for table `purchase`
--
ALTER TABLE `purchase`
  ADD PRIMARY KEY (`purchase_id`);

--
-- Indexes for table `register`
--
ALTER TABLE `register`
  ADD PRIMARY KEY (`username`);

--
-- Indexes for table `stock`
--
ALTER TABLE `stock`
  ADD PRIMARY KEY (`stock_id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `catagory`
--
ALTER TABLE `catagory`
  MODIFY `catagory_id` int(20) NOT NULL AUTO_INCREMENT;

--
-- AUTO_INCREMENT for table `order`
--
ALTER TABLE `order`
  MODIFY `order_id` int(20) NOT NULL AUTO_INCREMENT;

--
-- AUTO_INCREMENT for table `product`
--
ALTER TABLE `product`
  MODIFY `product_id` int(20) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

--
-- AUTO_INCREMENT for table `purchase`
--
ALTER TABLE `purchase`
  MODIFY `purchase_id` int(20) NOT NULL AUTO_INCREMENT;

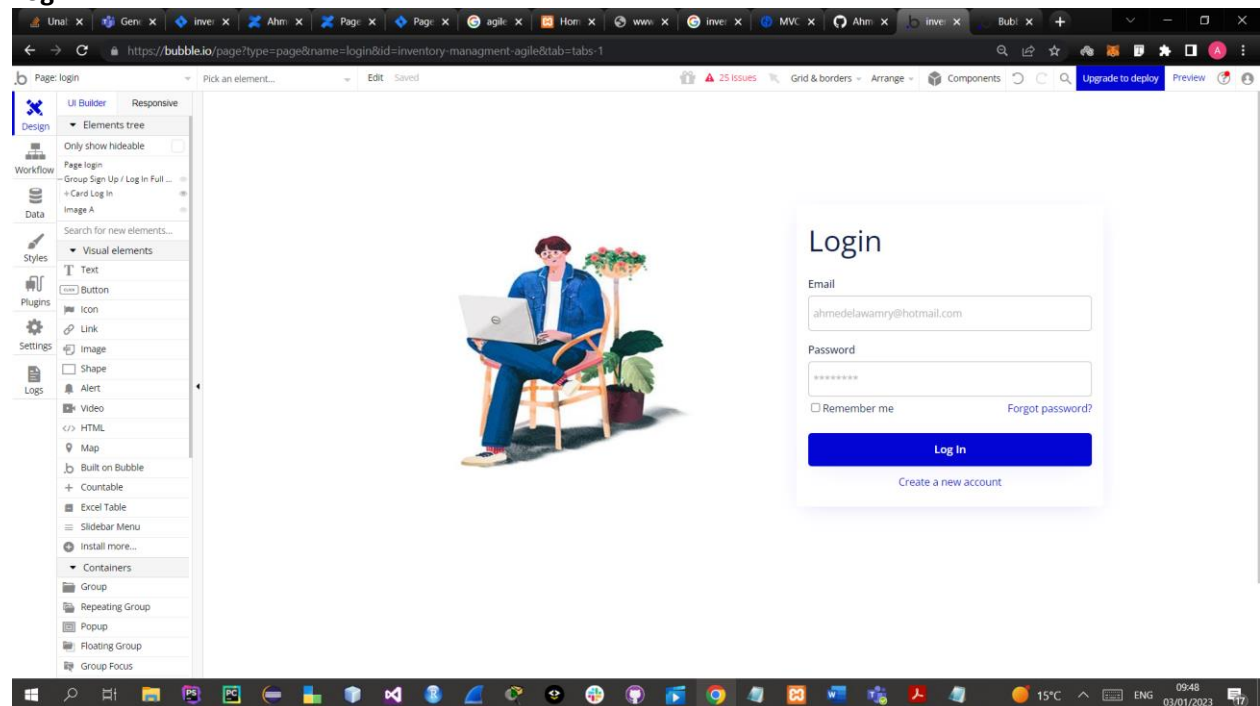
--
-- AUTO_INCREMENT for table `stock`
--
ALTER TABLE `stock`
  MODIFY `stock_id` int(20) NOT NULL AUTO_INCREMENT;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;

```

```
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;  
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

3) Prototype:

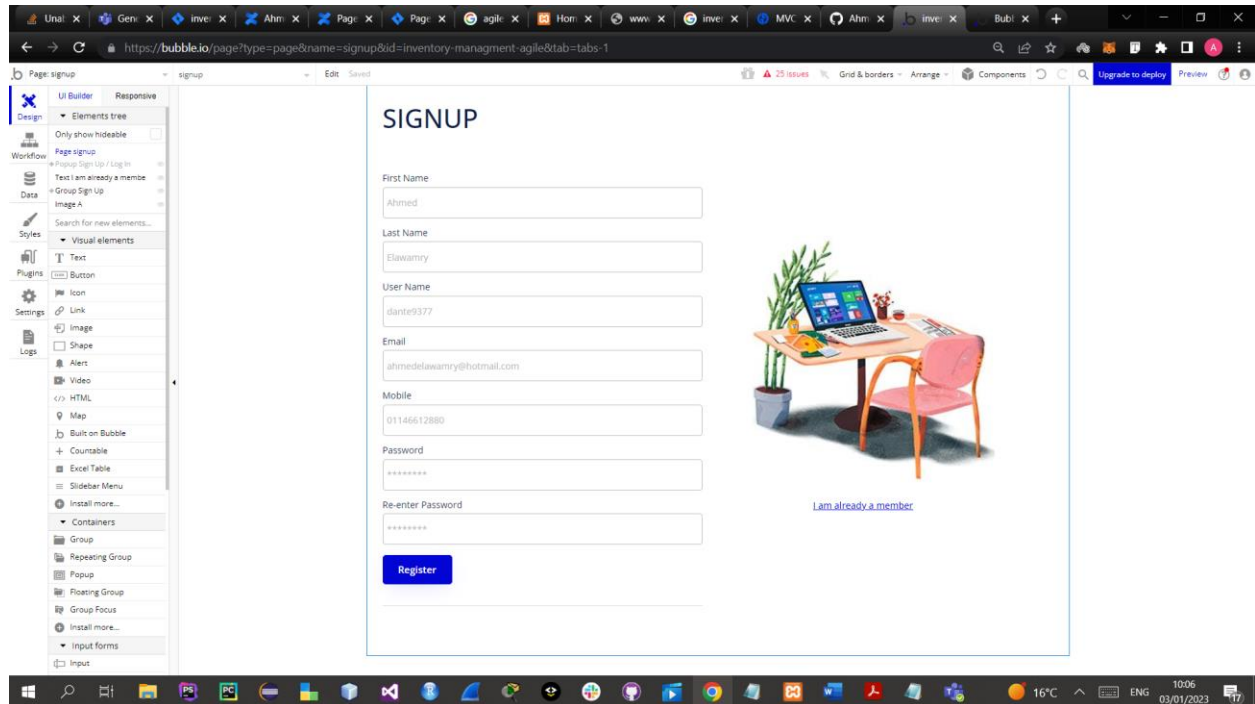
Login



Workflow:

- When Login is pressed
Authenticate Email from Database → Authenticate Password from Database → If valid redirect to dashboard
- When Create new account is clicked
Redirect to Create Account page

Signup

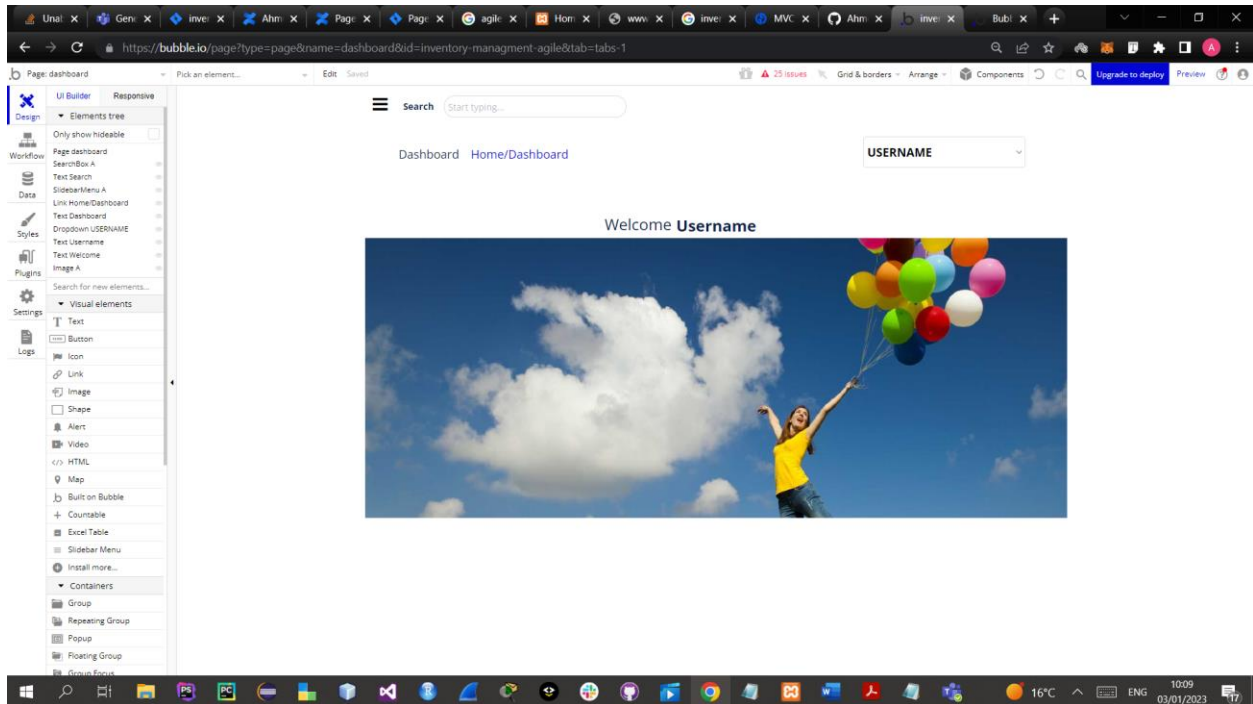


Workflow:

When Signup is pressed

Check first name is valid → Check Last name is valid → Check username is valid → Check email is valid
→ check mobile is valid → Check password is valid → Create account → redirect to dashboard

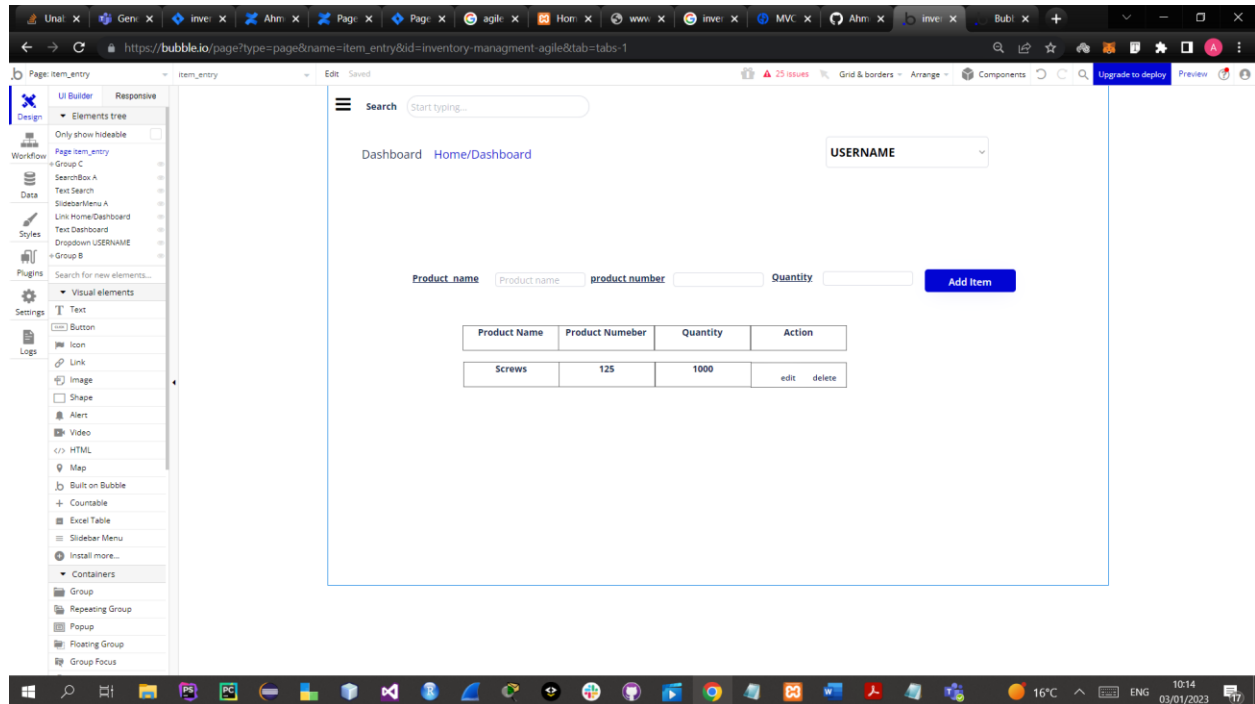
Dashboard



Workflow:

- When hamburger button is pressed
Show side menu → select page → redirect to page
- When profile button is pressed
Dropdown menu → select action → perform action

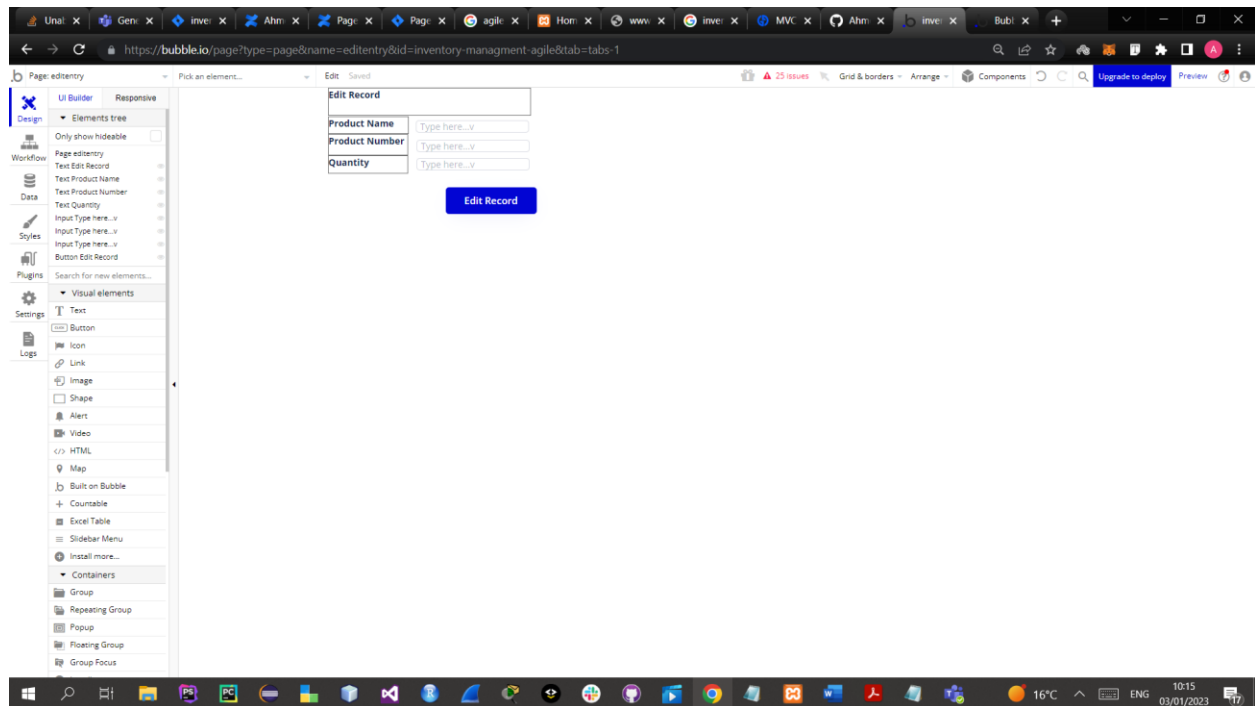
Inventory:



Workflow:

- When add item is pressed
Check Product name is valid → Check product number is valid → check quantity is valid → Add Item to database
- When edit is pressed
Retrieve product from database → Redirect to edit entry page
- When delete is pressed
Retrieve product from database → Delete entry

Edit Entry



When edit record is pressed

Check product name is valid → Check Product Number is valid → Check Quantity is valid → Submit entry to database

