

Acceptance Plan

NTU Stores management

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| Test  **User**: Consumer | Procedure | Expected Outcome | Actual Outcome |
| Login/Sign up | | | |
| Sign up | Run the application.  Click ‘Signup’.  Type in username, password and choose department. If the data is incorrect, an error will be displayed.  Based on if you’re a student, staff or admin, you have different level of authorization over the system. | - User gets created/added to the database and directed to the home page (products page)  - Should be able to use | - Correctly creates a new user and directs them to the home page (products page).  - You can use the new account to login from the ‘Login’ page. |
| Login | Fill in the login details (Username + password). If user details are incorrect, an error will be displayed, and user is prompted to enter credentials again or create a new account. Click “login” to login. | - Validate username and password from database when attempting to login  - Display an error message if user details incorrect or they don’t exist in database | - The user login in successfully if they type in their details correctly  - No way to tell if account already exists (login page)  - User displayed with an error message when wrong details used to login |
| Forgotten Password | When you click on the “forgotten password” button, it will ask the user for their username. After typing their username and confirming it will email the user their new password. | - Send an email to the user’s NTU email with their password  - Only works with n numbers (we didn’t realise staff don’t have N numbers) | - Doesn’t tell you the username doesn’t exist if user types in wrong number  - Sends email to the users NTU email  - Gave an error when tried to send an email using name instead of N number |
| Products Page | | | |
| Browse products/ catalogue | The user will be directed to the products page once they successfully login. You can click on any product to display more information regarding the product or browse the catalogue and view more products by scrolling down. | - Displays all the products with their pictures and name  - Can scroll up/down to browse all the products  - When you click on the product, displays all the information regarding that product (Single products page) | - Sometimes takes a very long time for the products to load  - Images can be a little glitchy when scrolling up/down  - Products displayed correctly with pictures  - Can browse products perfectly (scroll up and down)  - When clicked on a product, it displayed detailed information about the product |
| Search Function | On the ‘Products page’, there is a search bar at the top which lets you search for specific products. If you type in the product you want to find, the system will help you by filtering them | - Filters all the products in the catalogue and displays all the correct products  - Displays the products that are related (e.g. if user searches for product 12, it will also display products that have ‘1’ in their name) | - The products are filtered correctly depending on what product you try searching for. E.g. If you search for product 12, every product with the number 12 will be displayed (12, 121 etc)  - Few products that are not related are also displayed (10, 11, 12) as it finds all products which contain any of the 2 digits (1 and 2) as well. |
| Display single product + Information | If you click on any product in the catalogue (products page), it will take you to the single products page where all the information about that specific product will be displayed. | - Should display the product image, product name, current stock, price, VAT, supplier id and product description  - It should also let you see the location of the product marked on a map | - Product displayed with a picture, and all the correct information (price, stock, description etc)  - Shows the location where the item is located in the stores |
| Add product to basket (Check In/Out) | If you enter the quantity and click ‘Check In/Out’, it will add the product to the basket | - After use types in quantity and clicks on ‘Check In/Out’ a popup box should appear asking if they would like to view their basket or continue shopping  - The products will be added to the basket | - Lets you add more quantity for a product in the basket than there is available (current stock)  - Successfully adds product to the basket |
| Basket | | | |
| Check Out | After adding the products to the basket, you can navigate to the basket page and click on ‘Check Items Out’ to check out. | - Updates stock and removes them from basket | - Checks out the items and updates the stock amount in the database  - Once products checked out, removes them from basket |
| Clear Basket/Remove product | Users can remove all products from their basket by clicking the ‘Clear All’ button or remove a specific product from the basket by clicked the ‘X’ next to the products. | - Should remove all the products from the basket  - Doesn’t change the stock amount  When ‘X’ pressed, only that product is removed | - Removes all the products from the basket  - Stock amount doesn’t change  - Removed the products if you click ‘X’ |
| Return Items | If the user wants to return an item which they have checked out, they should be able to do so by scanning the item back in using the mobile application and simply clicking ‘Return Items’ | - Update the database and the current stock amount for the right product  - An error message if there are no products in the basket  - If user added products to the basket from the catalogue and clicked the ‘Return Items’ accidently. The system will assume they are trying to return products which have been previously checked out and updated the database (and the stock amount for that product) | - Lets the user return items, which updates the stock amount currently in the system  - Error message was displayed when trying to return items with an empty basket  - No way to know if the products added to the basket have been checked out and are now being returned. Database updated when ‘Return Item’ clicked |
| Settings & Messages Page | | | |
| Change Password | If the user wishes to change their password, they can navigate to the ‘Settings’ page where they will be able to choose a new password | - After typing in the new password, the user | - Lets you successfully change your password |
| Messages | Users can see the messages which will remind them if they have taken any equipment which needs to be returned (i.e. Gas cylinders) | - Nothing should be displayed as the functionality isn’t implemented | - Functionality doesn’t work as we didn’t implement it due to time restrictions |
| Mobile Application | | | |
| Login | Login the application by typing your username. No password needed. | - User logs in when they type in their username and are directed to the home screen of the application  - If user doesn’t type in the correct username or user doesn’t exist, an error message will be displayed | - Login successfully and gives an error if user doesn’t type in any username  - User can login even if they don’t have an account on the system or without the username (No validation being made) |
| Scan Products (QR Code) | Click on the scanner in the app which will open the scanner, allowing users to scan multiple products at once | - Scan the QR code and update the basket  - The basket should display the correct product  - If same product is scanned, it should update the quantity | - Successfully scan the products and add them to the basket  - If same product is scanned multiple times, it will update the quantity of the product in the basket |

**User**: Admin & Employee Staff

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| Test | Procedure | Expected Outcome | Actual Outcome |
| Login | Admin and staff will have to use the same login page as regular users | - If you type in admin/staff login details, you will be logged into an admin/staff account where you will have extra UI options (on navigation menu) and more privileges | - Logged into a staff account successfully  - Extra options available on the navigation menu |
| Products (Single product information) | | | |
| Change stock (amount) | Staff/Admin users can change the stock amount if they click on a product from the products page, and then click on the ‘Current Stock’. | - When you click on the ‘Current Stock, a popup box will appear asking you to enter new stock amount  - Will GUI with the new stock amount  - Can input negative amount | - Updated the database and the GUI with the new stock amount  - Amount can be changed to negative values |
| Change VAT | VAT can also be changed by clicking on the ‘VAT’ on the ‘Single Products page’. | - When you click on the VAT, popup box will appear asking you to enter new VAT  - Will update the VAT from GUI  - Can input negative amount | - Updated the VAT in GUI  - Amount can be changed to negative values |
| Change supplier ID | Click on ‘Supplier Id’ to change the id | - When supplier id clicked, asks user to add new id  - Updates GUI | - Successfully changed the supplier Id + updated GUI |
| Edit product information | Change the product description by clicking on the description box next to the product. | - A box will appear with the product description when clicked  - The text box should contain the current description so you can modify it however you want. Or add a completely new description | - Updated the product information successfully |
| View QR Code | View the QR code for the product | - will display the QR code for that specific product | - Displays the QR code for the product |
| Save QR Code | After viewing the QR code you can save it to the local storage by clicking the ‘Save’ button | - Saves the QR code  - | - Saves the QR code on the local storage |
| Edit Map Location | You can change the map location of a product by simply clicking ‘Edit Map Location’ which will allow you to click on the map to indicate the new location. | - When you click on the new location on the map, it will be marked with a big red ‘X’.  - Can only edit the location once per click (can’t click on the map multiple times to change location, have to save the changes and then click ‘edit map location’ again) | - Lets you update the location of the product on the map  - Can’t change the map location multiple times at once |
| Remove Product | Users can remove the product from the system if they click on the ‘Remove Product’ button. It will remove the product they are viewing. | - Should remove the product from the system and it should not appear on the products page anymore | - Removed product from system and updates database  - Doesn’t appear on the product catalogue |
| Save Changes (Made to the product details) | After making all the changes to a single product, click on the ‘Save Changes’ button to save the changes | - Updates the database and add the new information | - Updates the system and the database with the new information |
| Invoices | | | |
| Display invoices for different departments | If the user navigates to the ‘Invoices’ page, they can choose to display the transaction history for departments. They will need to first choose a department, choose the dates for which they want the transactions for and then click ‘Fill Form Log’ (select ‘All Departments’ to view transactions for all departments). | - Display all the transaction history for each department between chosen dates  - Display all the transactions for all the departments between certain dates  - Displays the product id, price and the total amount the department owes. | - Displays all the transactions between certain dates made by staff from each department separately (display transition for a specific department)  - Displays all the transactions made by all departments between certain dates  - Displays all the data correctly  - Gives an error message when you request information for a department which doesn’t have any transactions |
| Clear (displayed) Invoice data | To clear the data from the GUI, click the ‘Clear’ button. | - Should clear all the data displayed in the GUI | - Cleared all the data that has been displayed on the GUI |
| Add Row | If user feels like they need to manually log in a transaction, they can do this by adding a row to the displayed data by clicking the ‘Add Row’ button. | - Should create a new row of data which user is able to fill in  - Manually added row also gets saved in the transactions log when you create the invoice | - Created a new row under the rest of the displayed invoice data  - New data was saved when invoice created |
| Create & Send Invoice | To create an invoice after displaying the data the user wanted, they can click on the ‘Create and Send Invoice’ button which will save the data in an excel format. | - Create an excel spreadsheet with all the coulombs and rows labelled correctly.  - Has total amount of the equipment the department (staff) checked out  - Will create an empty excel document if no data is requested and button clicked | - Creates an excel document with all the information the user requested for and saves it on the local storage  - Creates an excel document even if you didn’t request any information (empty document)  - Has total amount at bottom of the spreadsheet |
| Shipments | | | |
| Display incoming shipments | The user check if there are any incoming shipments by navigating to the ‘Shipments’ page and then choose the dates and click ‘View’ | - Should display supplier name, site name, order number and requested date  - Should only display shipments between the dates chosen | - Displayed the shipments between the chosen dates  - Displayed the data correctly  - Showed an error message when requested data for when there were no incoming shipments |
| Add Expected Delivery | User can manually add new shipments by clicking on the ‘Add Expected Delivery’ button on the ‘Shipment’ page and then fill in all the text fields with the correct data. | - Will add all the data to the database  - Will display a reminder of the expected delivery on the messages page | - Added new expected delivery even thought all the text fields were empty  - Displayed a reminder on the messages page for staff/admin |
| Add New Shipments | If you click on the ‘Add new shipment’ it will take you to another page which will allow you to add new product | - Should add the new product in the database  - New product should be displayed in the product catalogue | - New product successfully added and is displayed in the product catalogue |
| Settings | | | |
| Change Password | If the user wishes to change the password, they can navigate to the ‘Settings’ page where they will have the option to choose a new password | - After typing the new password, will update it in the database | - Lets you successfully change your password |
| Create New User | Admin will be able to add new (employee) staff/admin users. They can also choose what level of privilege they will receive (admin or employee staff).  Only the admin user has this privilege | - New user will get created in the database  - Should be able to login with the new user details  - Admin user should have more access and (employee) staff should have less | - Can login with the new user details  - Admin user had access to more features |
| Add/Remove Departments | The user can add or remove departments. These departments will appear when a new (consumer) user wishes to sign up. If they click on the ‘+’ button, they can type in a new department, or click ‘X’ next to an existing one to remove it. | - Should update the GUI and remove the department when ‘X’ clicked  - A popup text box should appear asking you to type a new department when ‘+’ clicked  - Should update the GUI and add a new row with the new department | - Removed the department from the GUI when ‘X’ clicked  - Added new department when ‘+’ pressed & a popup box appeared asking to type new department |
| Update Departments | After user has finished modifying the departments and wish to save the changes to update the database, they will need to click ‘Update Departments’. | - Updates the database with the new information  - Will display the new departments when the department list is viewed in the invoices page or signup page (for consumer staff) | - Updated the database  - Displayed the information correctly on other pages |
| Messages | The message feature will have reminders for the staff if there is a new shipment/delivery expected soon | - Will display the messages in the ‘Messages’ page when a new ‘expected delivery’ is added  - Only display this information for the staff/admin users  - Should only display the reminder once on the screen | - Displays the messages for expected delivery when new ‘expected delivery’ added  - Displays the message (reminder) more than once (repeats the same message) |