Electronic Home Appliance

- Basic User Guide -

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Introduction

Electronic Appliance IS is an Inventory Information System application. The application helps the user to keep track of Appliances information. There are different menus with different functions present in the application like register, creating account, file, help, compare, remove, edit and search helps to keep a record of the appliance much easier. The application is simple and is made easy to use for the user to easily manipulate data stored in the application. The application also helps to import and export data that are registered inside the application through which the user can manage multiple data and can access them easily. All the instructions manual is given below if the users are having a problem using this software.

Graphical Interface

Electronic Appliance IS uses simple Java GUI. The figure below shows the initial view of the application when it is first opened and logged in. The navigation bar is located at the bottom of the application which helps us to switch between multiple panels where we can register, edit, remove, view, and search Appliances present inside the program. A simple menu format is present at the top of the application. The GUI is simple to navigate and easy to use and understand the function of the buttons present inside each panel.

Functions

There are multiple Functions present in the program.

Creating a new account:

To create a new user account credentials like company name, username and password are to be entered.
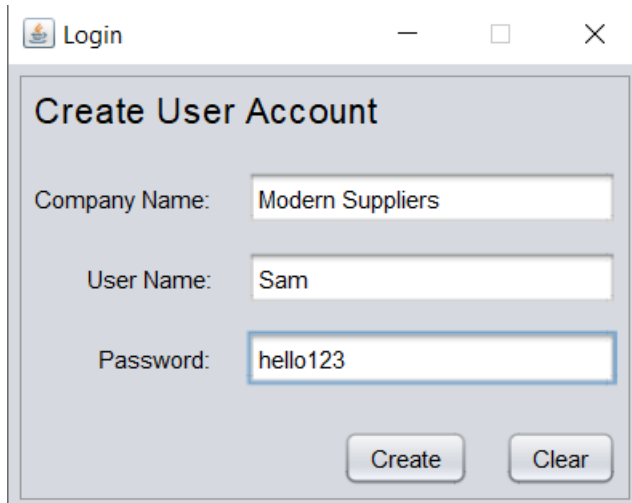

Figure 1: create a user account

After creating the user account, a message of successful account creation is displayed and also the backup code is given if the user by any chance forgets the password then they can enter the provided backup code. Users are required to save their backup code safely.
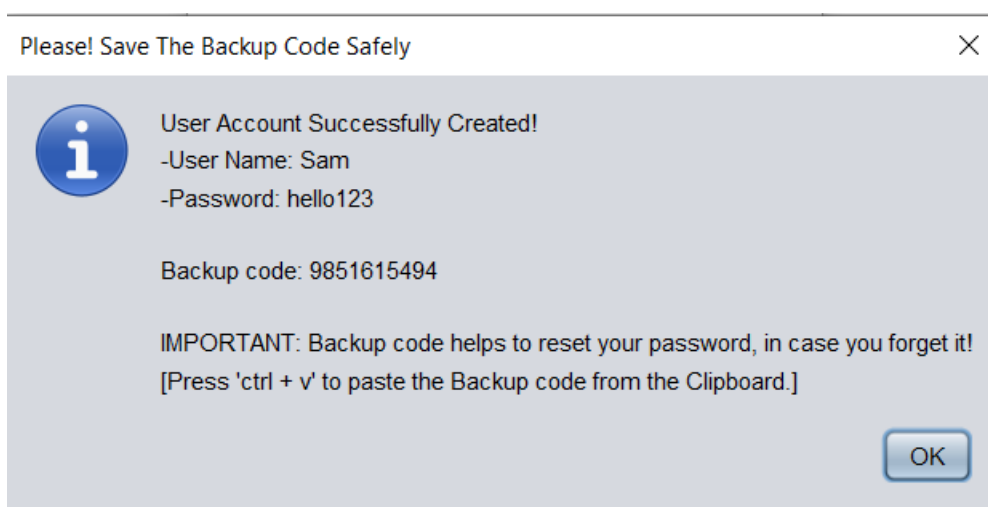

Figure 2: a message of account creation

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Login user:

After creating the user account now, you can log in to access the program by entering your username and password.
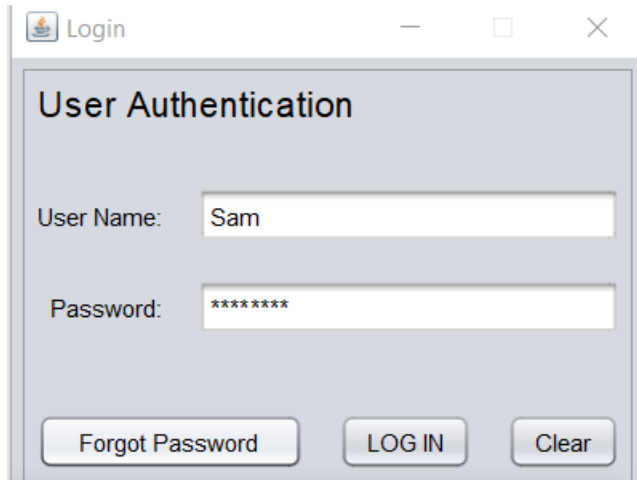
Resetting password:

If the user has forgotten the password, the user can set a new password by entering the backup code provided while creating a user account.
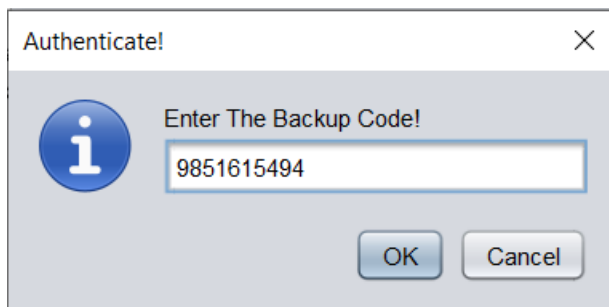
Users have to enter the new password.

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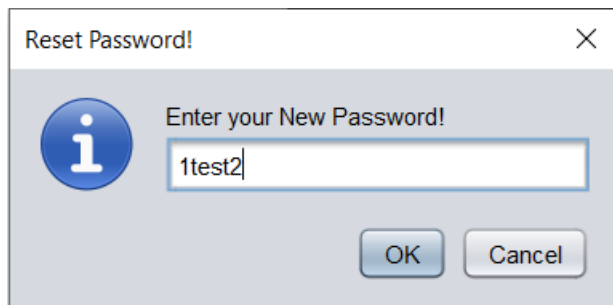
Figure 5: Setting a new password

After resetting the password, a pop-up message is displayed of successfully resetting the password along with the new password and also the new backup code is provided to the user.
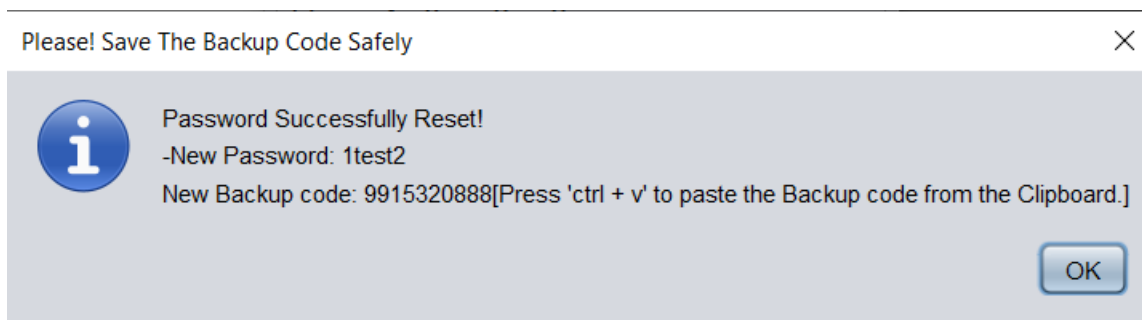
Figure 6: message after resetting the password

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File:

Users can create a new file, open and save files, import and export the excel file, logout, and exit the program from the file menu which is located at the top left corner.
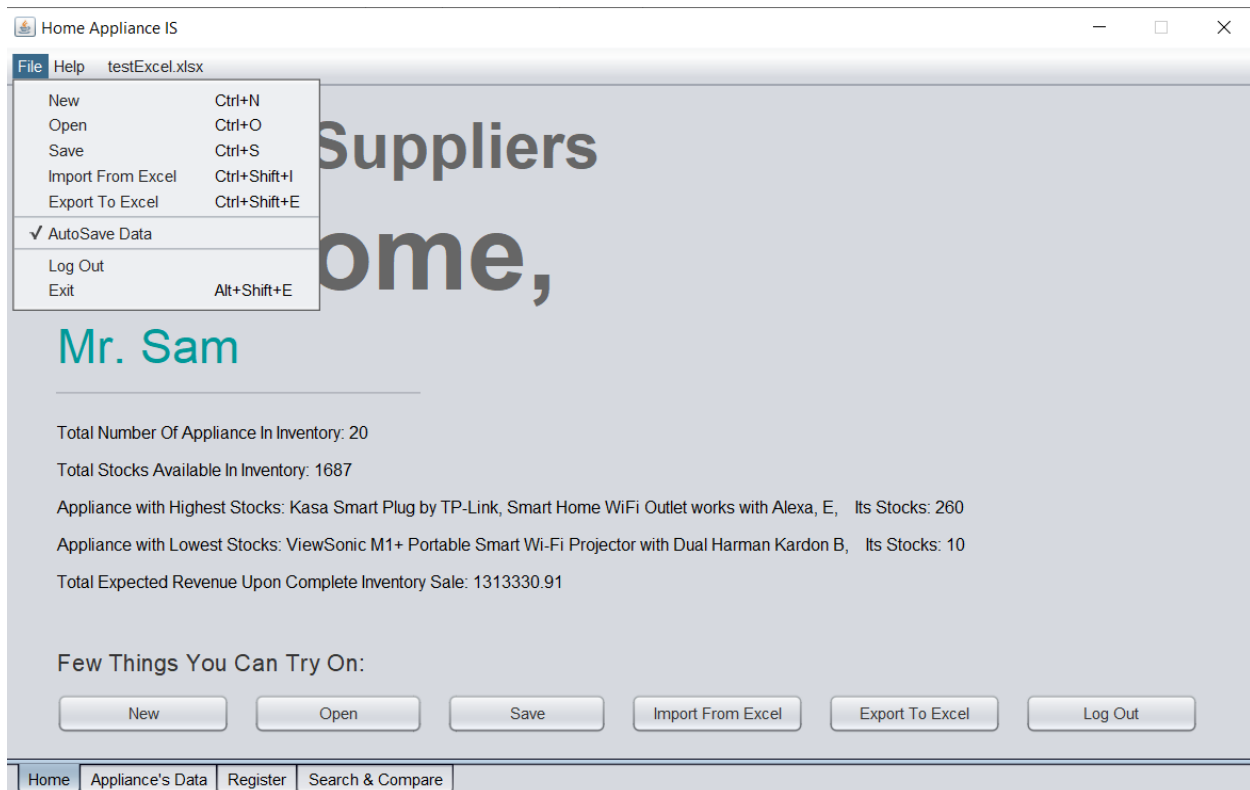
Figure 7: File

- **New:**

  Users can create a new file for the details of appliances by clicking on the new. After that users must give a file name. Then click on the Save button
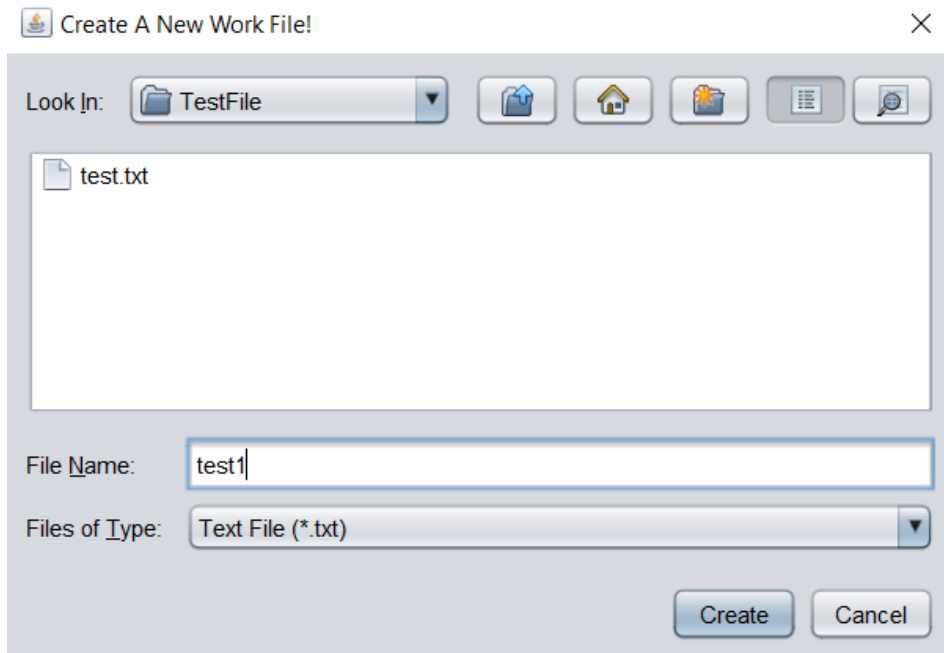
Figure 8: new file

- **Open:**
  Users can open the saved files by clicking on the open. After choosing the file click on the open button.

Figure 9: open file

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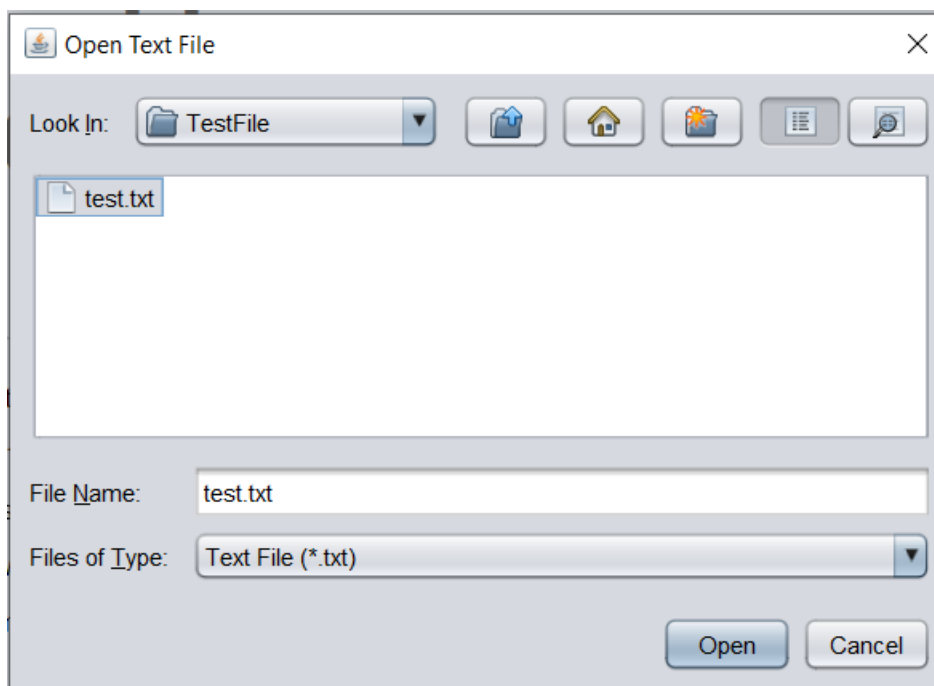
- **Save:**

  Users can save their existing files by clicking on the save button.
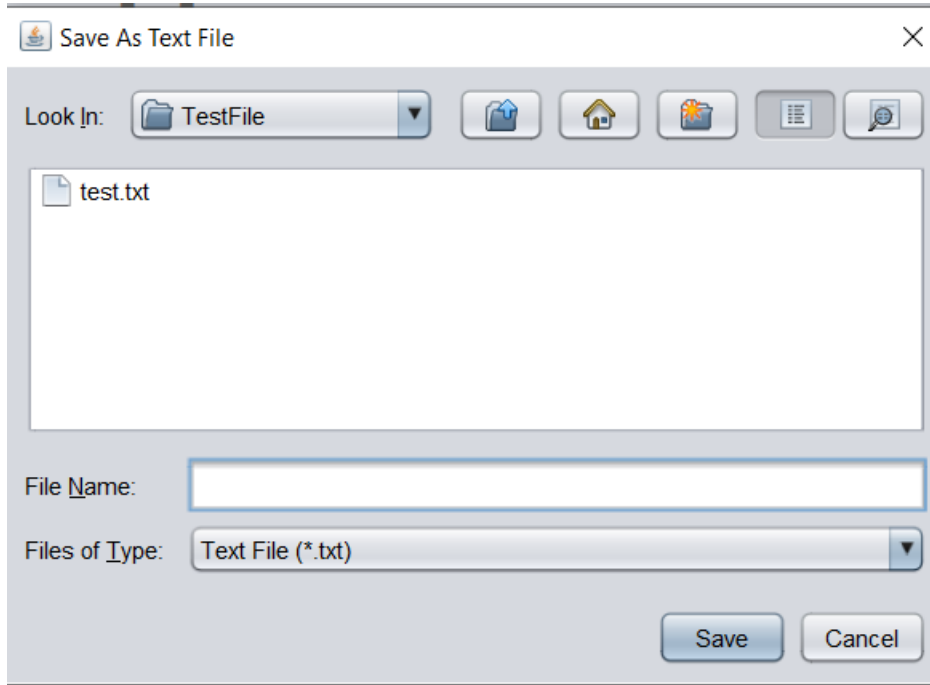
Figure 10: save file

- **Import from Excel:**

  Users can import the excel files using the import on excel button. After choosing the excel file which you want to import click on the import button.

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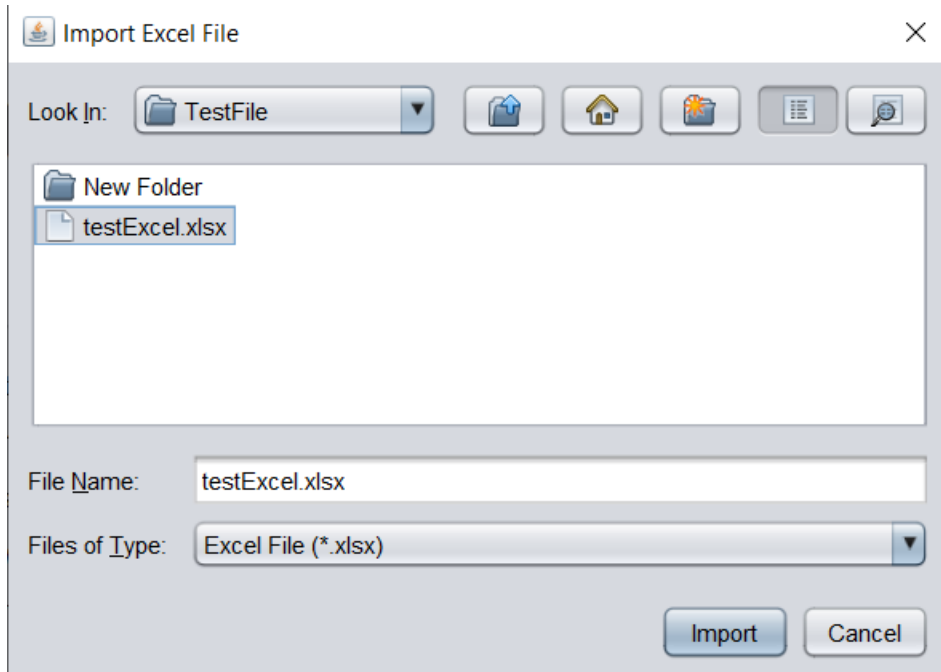
Figure 11: import excel file

After importing the excel files, users can see the appliance's data.
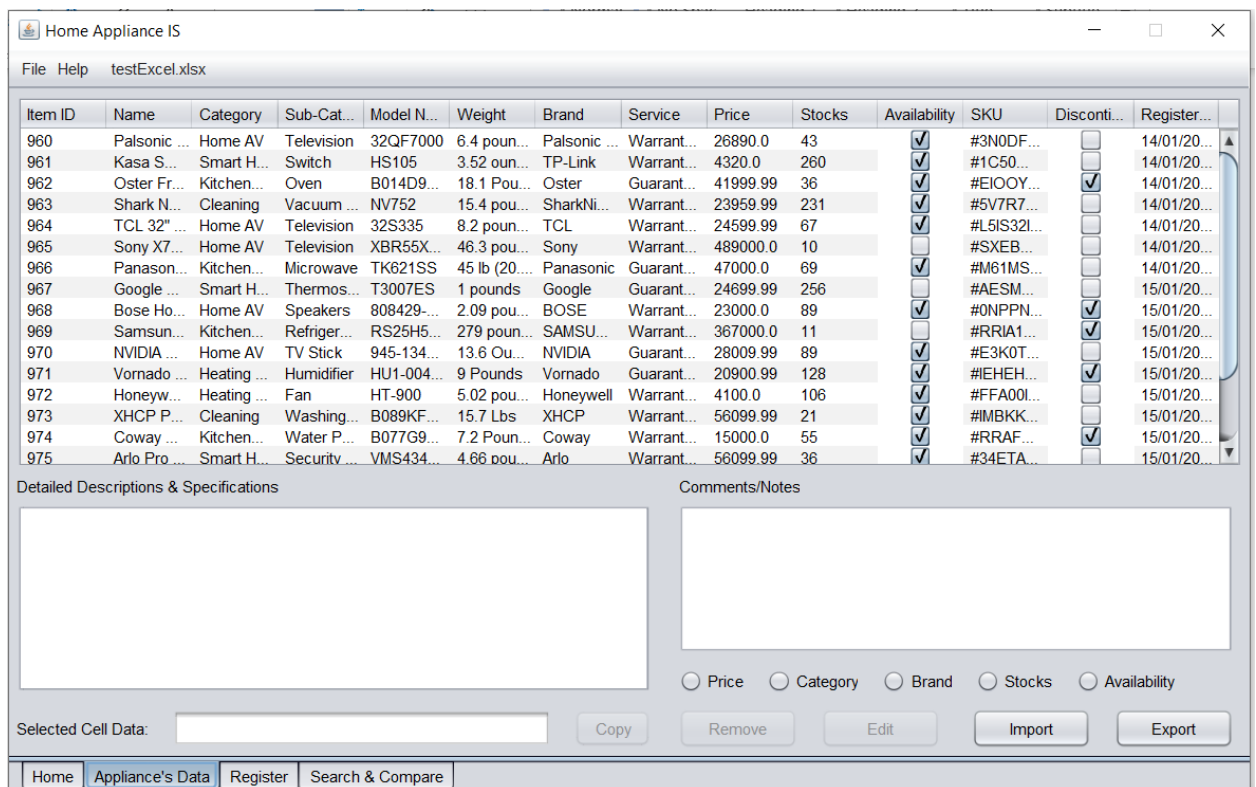
Figure 12: After importing a file

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- **Export to excel:**

  Users can export their files by clicking on the export to excel. After that users can choose the file location from the directory menu where they want to save.
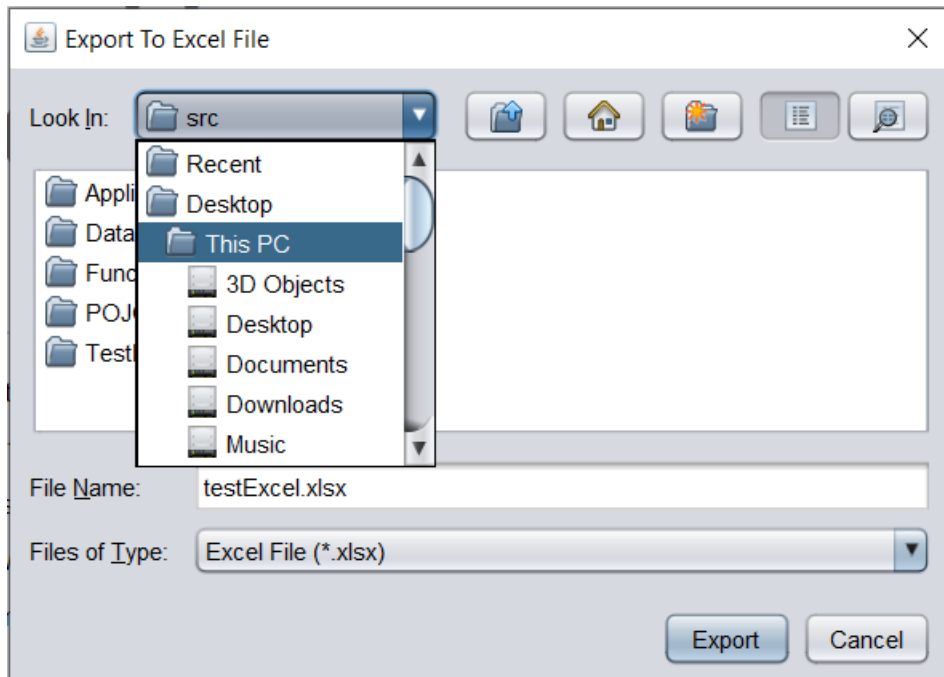
Figure 13: export excel file

Users can direct to the parent directories one level up using the first icon up one level.
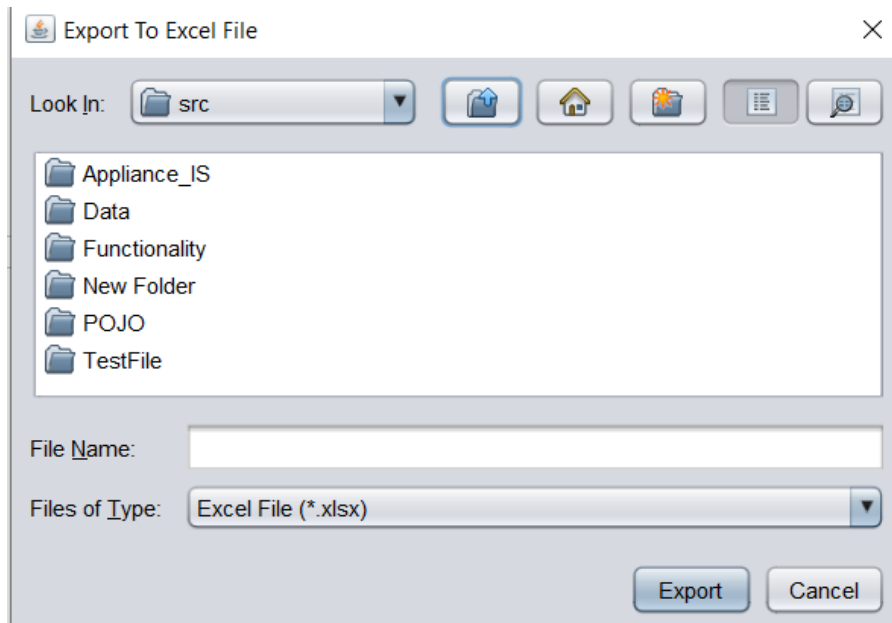
Figure 14: up one level

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Users can direct to the home directory using the second home icon.
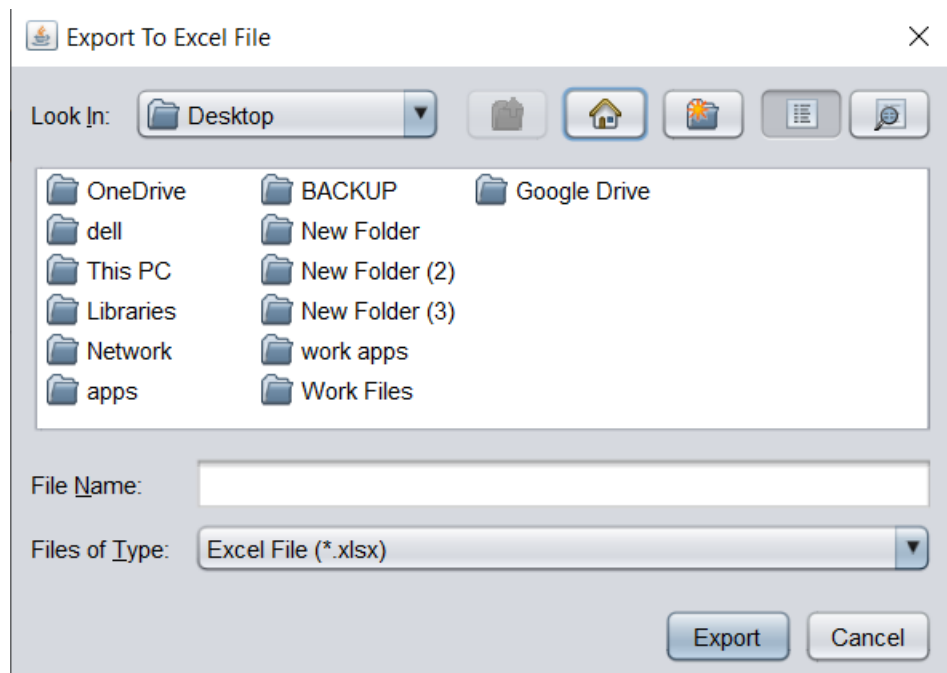
Figure 15: home

Users can create a new folder using the third icon.
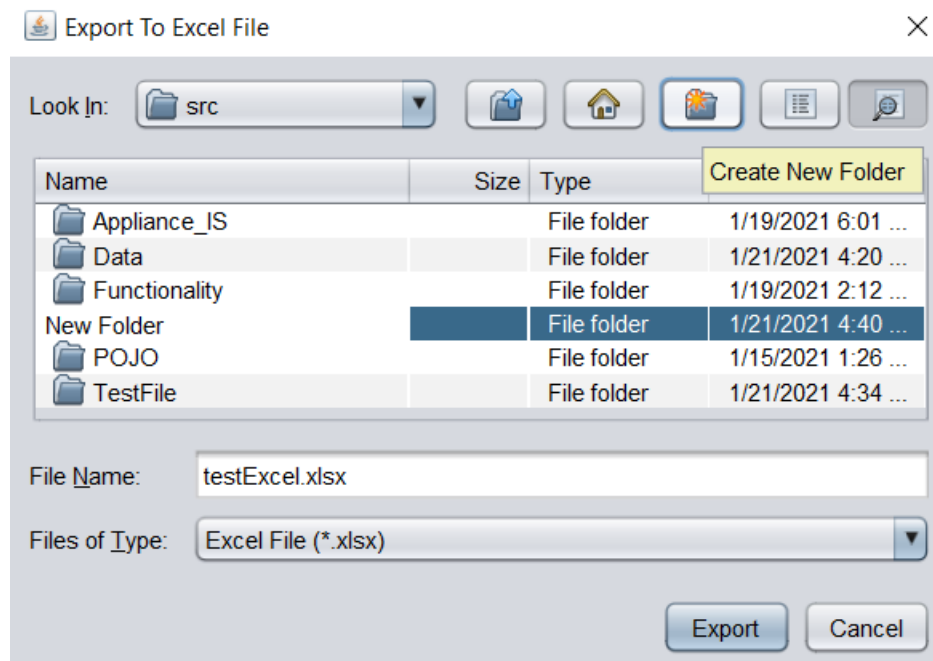
Figure 16: Creating a new folder

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Users can see the details of files and folders using the detail icon.
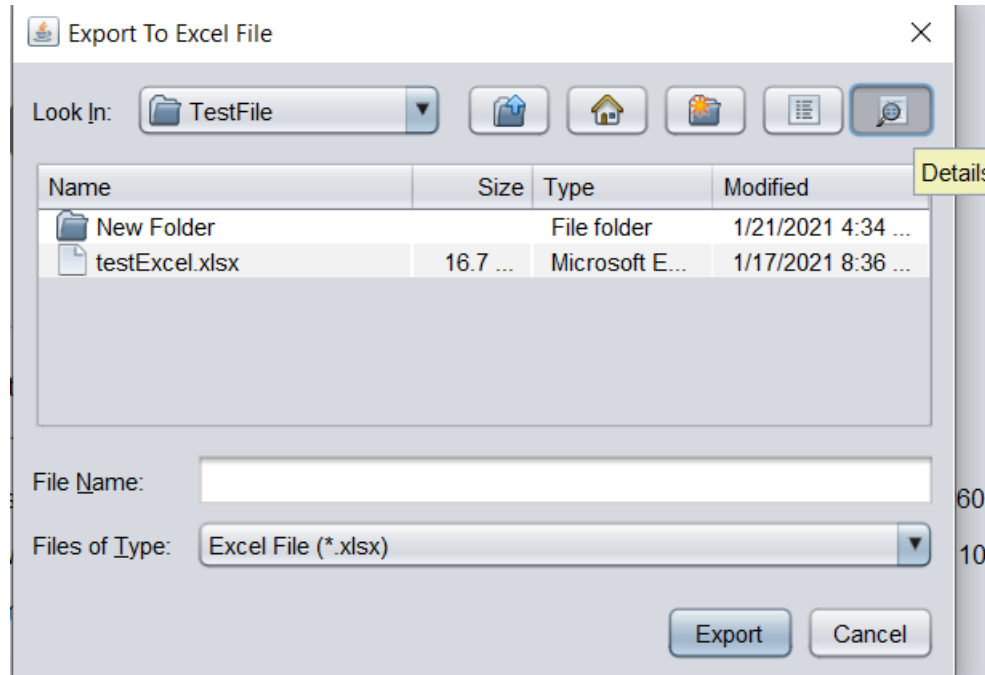
Figure 17: viewing the details of folders and file

After successfully exporting the file clicking on the export. Users can see the following message.
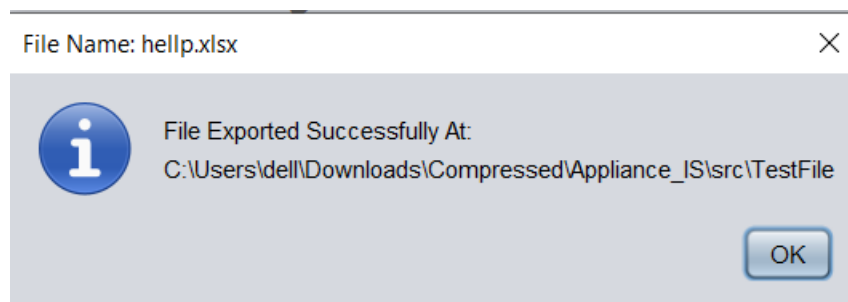
Figure 18: export message

- **AutoSave Data:**
  Users can autosave the data of the items simply by clicking on the autosave data.

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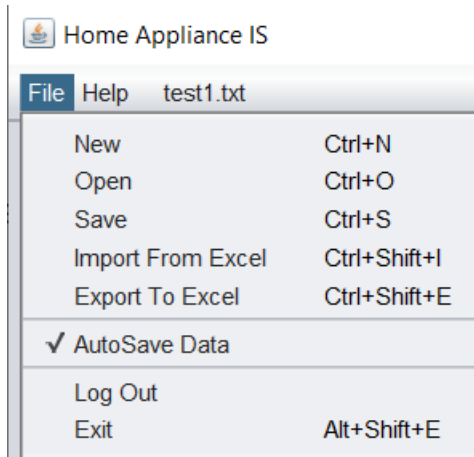
Figure 19: autosave

- **Logout:**

  Users can log out from the program by clicking on logout and then a message pops out which is given below. Then click on the ok button.

  NOTE: User must save their file before logging out, otherwise they can lose the file.
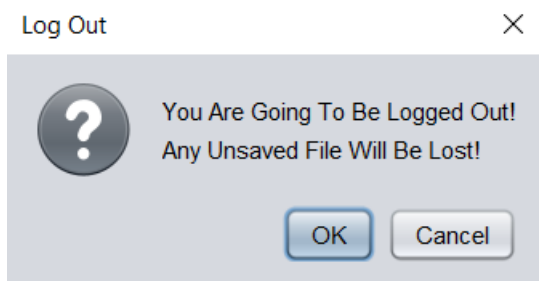
Figure 20: logout

- **Exit:**

  Users can exit the program using the exit command. Click on the yes button to exit.
  NOTE: Users must save their file if they haven't saved they can lose their data.
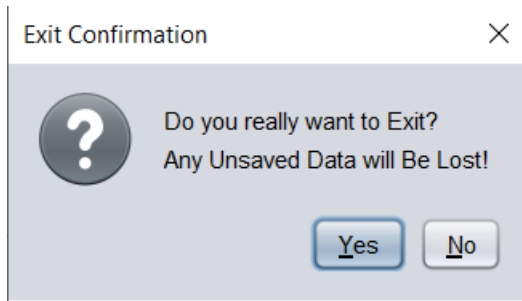
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Figure 21: exit

Home:

In the home menu, users can see their username with the company's name. Details of the appliance in inventory like total number, total stocks, an appliance with highest Stocks, Appliance with lowest stocks, and total expected revenues are displayed in the home.

Figure 22: Home

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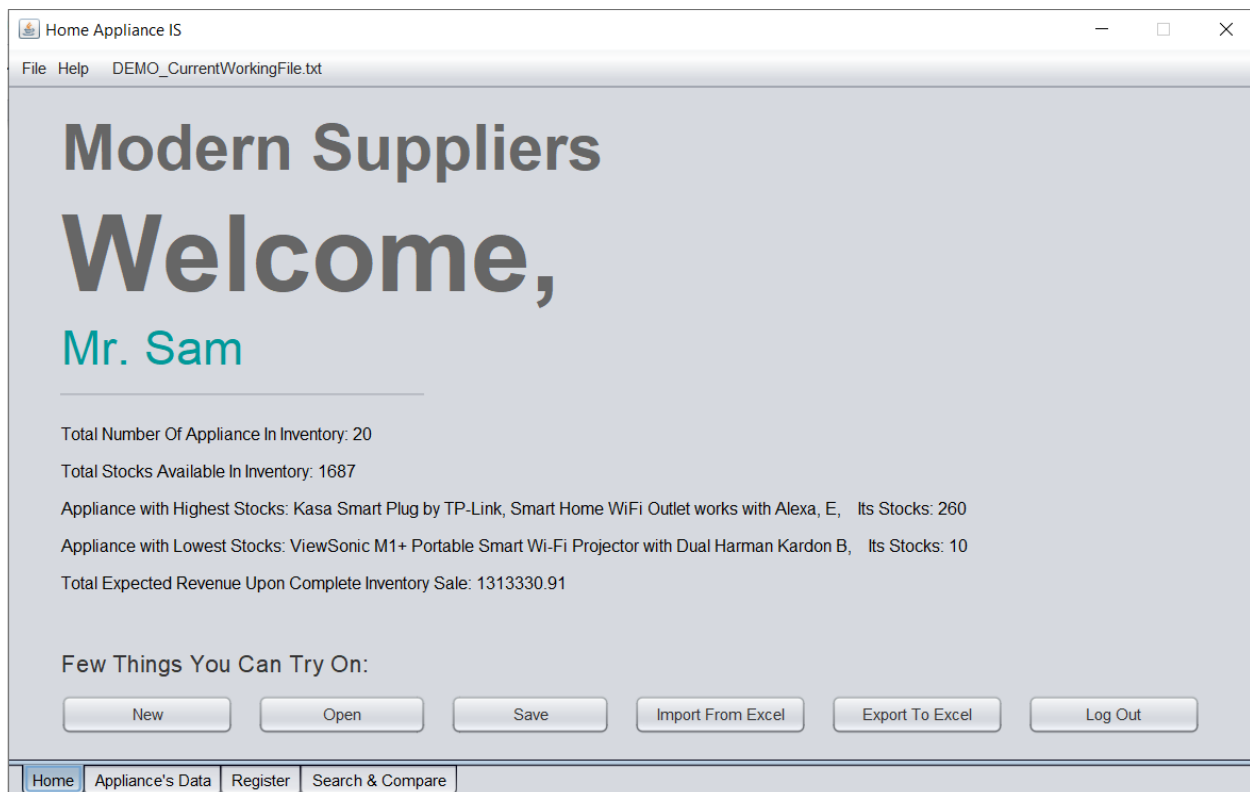
Along this user can try the same functions at home as used in a file which are new, open, save, import from excel, export to excel, and logout.

Register:

Users can register their items on the register menu where all the details of items are required to fill like

- **Item-Id**: It automatically gets generated after the complete registration of an item.
- **Appliance name**: Users are required to enter the name of the appliance.
- **Category**: Users can choose a different category of appliances like Home AV, Kitchenware, Heating & Cooling, Smart Home, and Cleaning. Also, the users can choose a different subcategory of any particular category.
- **Model number**: users are required to enter the unique model number of items.
- **Price**: The price of an item is to be entered.
- **Brand**: The brand name of an item is to be entered.
- **Stocks**: The number of available stocks is to be entered.
- **SKU**: SKU is generated automatically by clicking on the generate SKU button.
- **Date**: Users can get date and time automatically while registering by clicking on the get Date & Time button.
- **Weight**: The weight of the items is required to be filled.
- **Services**: Users can choose which services like guarantee, warranty and repair are provided for a particular item. And also, the period of the services is required to fill on the services which are to be given.
- **Detail Specification**: All the detailed specification of the item is to be filled.

After filling in all these details the user can only then register the item successfully by clicking on the register button.

Figure 23: register

After clicking on the register button message is shown as given below.

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Figure 24: the message of data entered

Only after registering an item user can set the availability and discontinuation of an item which is optional also users can remark the comment of an item by clicking on the settings button. After the click message is shown.

Figure 25: optional setup

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- **Clear**:

    Users can use the clear button to register the new item or clear the data.

Figure 26: clear

Appliance's data:

All the details of the items are listed in this menu. The items can be sorted according to price, category, brand, stocks, and availability. This menu has many functions like copy, remove, edit, import, and export.

- **Price:** Items can be sorted according to the price in ascending order.

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Figure 27: price

● **Category**: Items can be sorted according to the category.

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Figure 28: category

- **Brand**: Items can be sorted according to the brand name.

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Figure 29: brand

● **Stocks**: Items can be sorted according to the number of stocks.

Figure 30: stocks

- **Availability**: Items can be sorted according to the availability of an item.
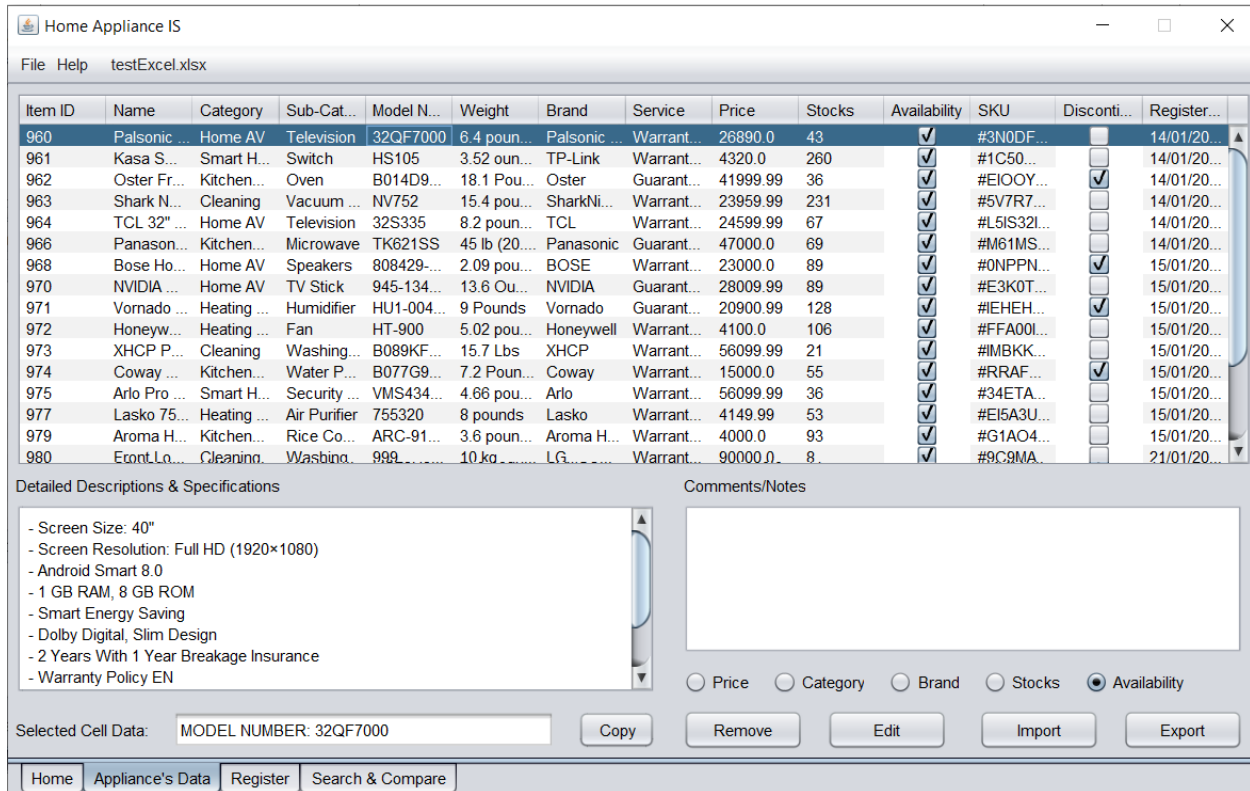
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Figure 31: availability

- **Copy:**

  Users can copy the details of an item using the copy button.

- **Remove:**

  Users can remove any item from the list using the remove button. The message, as shown below, is displayed while removing items where users have to click on the Ok button to delete the data.
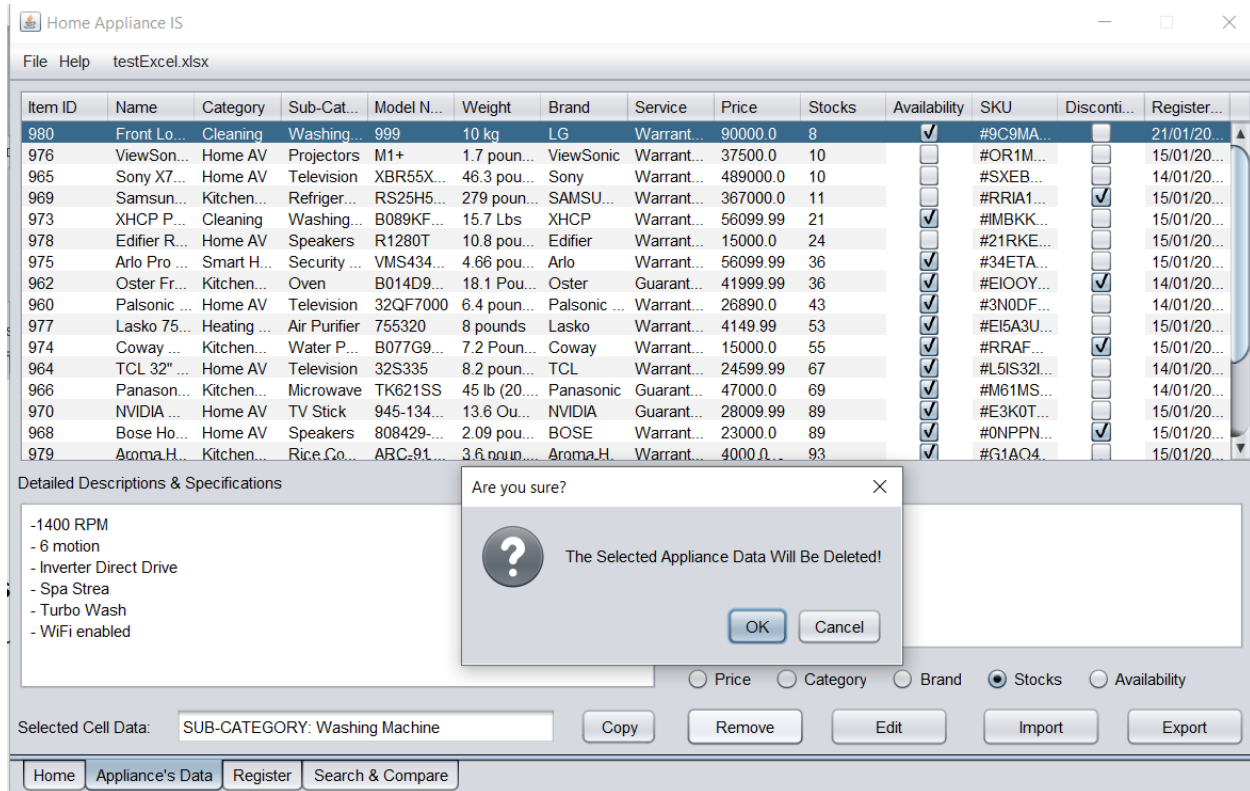
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Figure 32: remove

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● **Edit:**

 If users are required to edit or update the item details then use the edit button. After the click on the edit button users will be directed into the register menu where they can update the necessary data of an item.

Figure 33: edit

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- **Import:**

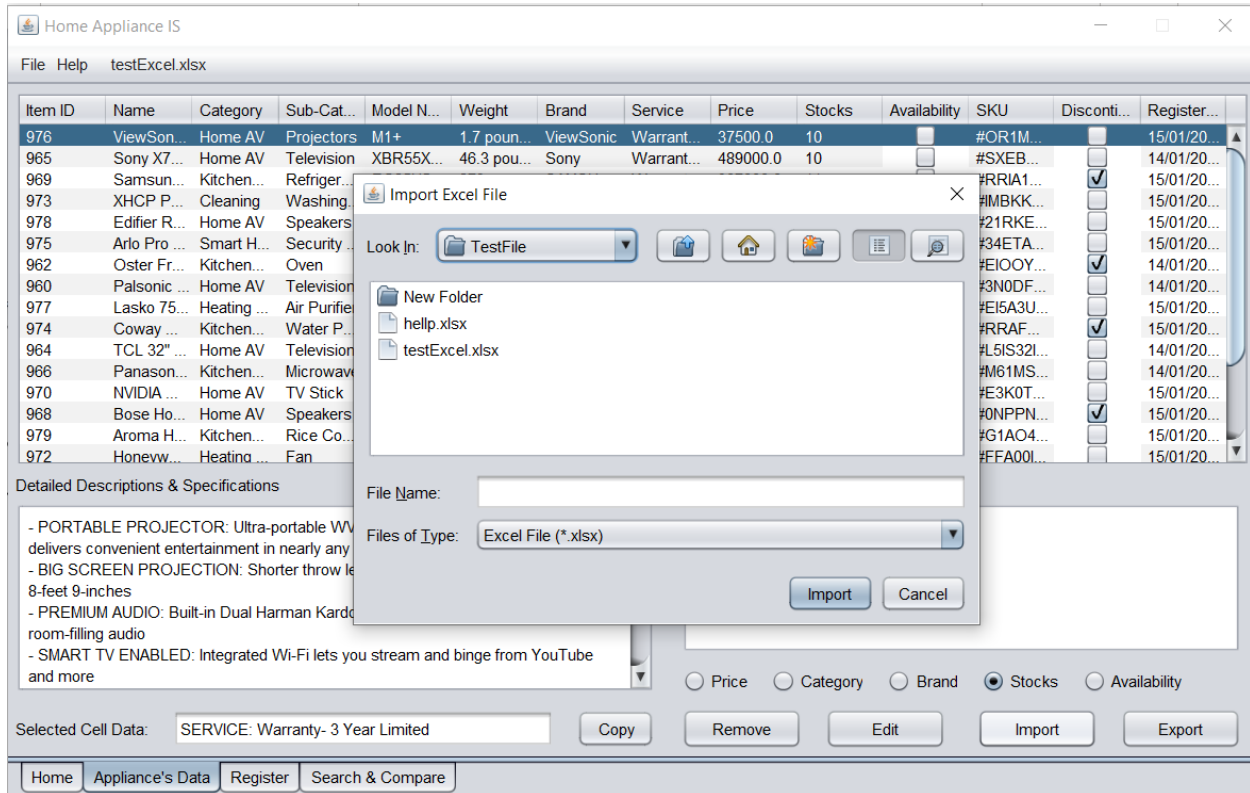 Users can import the data of an item using the import button. They can import any one data of an item using the import button where users must select a file name.

Figure 34: import

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- **Export:**
  Users can export the data of an item using the export button where users have to write a file name
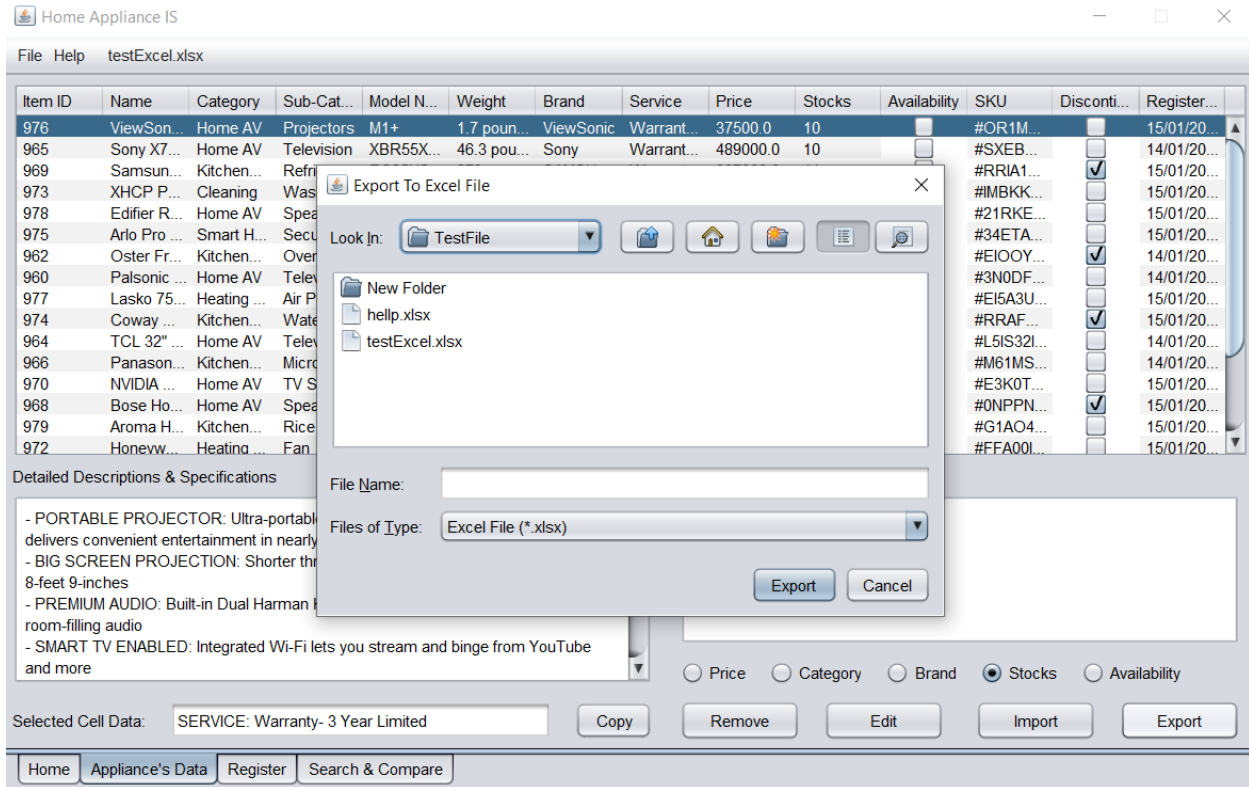
Figure 35: export

Search & Compare:

Users can search and compare the items.

- **Search by:**
  Users can search the items according to the category, price, and name of the item.

- **Category:**
  Users can search the items based on category by selecting a category in search by a scrollbar. The list of subcategories can be chosen from the category. After clicking on the search button following details and messages of items are displayed.

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Figure 36: category

Figure 37: a message of category

▪ **Price:**

Users can search the items based on a price range by selecting a category in search by a scrollbar. Users can set the price range of low to high with the desired

range of price. After clicking on the search button following details and messages of items are displayed.

Figure 38: price

Figure 39: a message of price

▪ **Name:**

Users can search the items based on a name by selecting a category in search by a scrollbar. The name of the item is to be entered in the name field. After clicking on the search button following details and messages of items are displayed.

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Figure 40: name

Figure 41: a message of name

- **Compare:**
  Users can compare the appliance details by entering the model numbers of two items that are to be compared using the compare button.

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Figure 42: compare

The End

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