# System Functions

# Registration Module Functions

# Make Supplier Profile Module Function

# Description: used by supplier user to Make his profile

# Inputs: name, mail, profile picture, mobile, Password.

# Outputs: save Supplier’s Data and make his profile.

# Pre-conditions:

# Post-conditions: All inputs are valid.

# Make customer Profile for his activities Module Function

# Description: used by customer user to Make his profile

# Inputs: name, mail, profile picture, mobile, Password.

# Outputs: save customer’s data, his activities and make his profile.

# Pre-conditions:

# Post-conditions: All inputs are valid.

# Supplier Module Functions

# Add Material Module Function

# Description: used by supplier user to add materials.

# Inputs: name, type, price, stock number, photo and description.

# Outputs: saving material in database.

# Pre-conditions: Supplier is approved by administrator and has an ID.

# Post-conditions: All inputs are valid.

# Add package Module Function

# Description: used by supplier user to add package of products

# Inputs: name, type, price, category of package, number of products , price of each product, photos and description.

# Outputs: saving material in database.

# Pre-conditions: Supplier is approved by administrator and has an ID.

# Post-conditions: All inputs are valid.

# Add Tool Module Function

# Description: used by supplier user to add tools.

# Inputs: name, type, price, stock number, photo and description.

# Outputs: saving tool in database.

# Pre-conditions: Supplier is approved by administrator and has an ID.

# Post-conditions: All inputs are valid.

# Shopping Module Functions

# View Category Module Function

# Description: used by general user to view products in a category.

# Inputs: name.

# Outputs: displaying products of the category.

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: name is valid.

# 

# View preferred suppliers Module Function

# Description: used by general user to view preferred suppliers in a category.

# Inputs: name and list of their suppliers

# Outputs: displaying preferred suppliers of the category.

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: name is valid.

# View packages Module Function

# Description: used by general user to view packages in a category.

# Inputs: name.

# Outputs: displaying packages of each category.

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: name is valid.

# View product Module Function

# Description: used by general user to view product..

# Inputs: name, category

# Outputs: displaying product

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: name or category is valid.

# Buy product Module Function

# Description: used by general user to view product.

# Inputs: product

# Outputs: displaying product in checklist

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: product is valid.

# Add Category Module Function

# Description: used by admin user to add products.

# Inputs: name, type, photo, products names, and description.

# Outputs: saving category in database.

# Pre-conditions: logged in as admin.

# Post-conditions: All inputs are valid.

# Suggest products Module Function

# Description: used by general user to suggest products to him in the chosen category

# Inputs: name

# Outputs: displaying suggested products in suggestion area

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: products are available.

# View checklist Module Function

# Description: used by general user to view product he decided to buy.

# Inputs: name

# Outputs: displaying products in shipping area

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: products are available.

# Compare product Module Function

# Description: used by general user to compare products together

# Inputs: name of products

# Outputs: displaying products together

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: products are available.

# Determine payment method Module Function

# Description: used by general user to determine the shipping method he wants

# Inputs: name

# Outputs: saving order into database.

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: products are available.

# Determine shipping method Module Function

# Description: used by general user to determine the shipping method he wants

# Inputs: name

# Outputs: producing into payment area

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: products are available.

# Selling Module Functions

# Add Product Module Function

# Description: used by general user (seller) to add products.

# Inputs: name, type, price, stock number, photo and description.

# Outputs: saving product in database.

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: All inputs are valid.

# Add Package Module Function

# Description: used by general user (seller) to add package of products.

# Inputs: name, type, price of package and products, number of products, photo and description.

# Outputs: saving package in database.

# Pre-conditions: user is approved by administrator and has an ID.

# Post-conditions: All inputs are valid.

# Tutorials Module Functions

# Add Tutorial Module Function

# Description: used by supplier user to add tutorials.

# Inputs: name, type, price, stock number, photo and description.

# Outputs: saving tutorial in database.

# Pre-conditions: Supplier is approved by administrator and has an ID.

# Post-conditions: All inputs are valid.

# Analytics and Reporting Module Functions

# View Report Module Function

# Description: used by supplier user to view statistical reports.

# Inputs: name.

# Outputs: statistical reports.

# Pre-conditions: Supplier is approved by administrator, has an ID.

# Post-conditions: name is valid.

# View comment on products Module Function

# Description: used by general user to add comment about products .

# Inputs: name.

# Outputs: view comments

# Pre-conditions: user is approved by administrator, has an ID.

# Post-conditions: name is valid.

# View rates on products Module Function

# Description: used by general user to add rates about products.

# Inputs: name.

# Outputs: view rates

# Pre-conditions: user is approved by administrator, has an ID.

# Post-conditions: name is valid.