

## Documentation: Class/Function

Method/Class Name File Location	Inputs: Outputs:	Description
products() ./backend/products.py	Inputs: None Outputs: None	Get/ Add/ Update/ Delete the products from the database.
get_feature(productname) ./backend/products.py	Inputs: productname - name of the product Outputs: results - List of features that are available in that product	Get the list of all features for a given product name.
features(productname) ./backend/products.py	Inputs: productname - name of the product O: results- Add features to that product or return feature list	You can add/get features of a product.
signup() ./backend/auth_controller.py	Inputs: None Outputs: message - output if user is registered successful or not	Post request to register a new user will give an error if the user is already registered.
logged_in() ./backend/auth_controller.py	Inputs: None Outputs: Returns either a message or redirect to login url	Checks the session for an email and name.
login() ./backend/auth_controller.py	Inputs: None Outputs: Returns valid or invalid message if user can login	Checks if user and email is in database to login
logout() ./backend/auth_controller.py	Inputs: None Outputs: Successful or Unsuccessful Message	Checks if user is in session and removes them from it
add_product() ./backend/product_controller.py	Inputs:None Outputs: Returns true or false if new project is able to be added	This post request is used to gather all the information from the project form and send it to the database to be stored
test_submit_project() ./test/test_product_controller.py	Inputs: None Outputs: Assert response	Tests a valid name, description, imageUrl, tags, email and returns a 200 response
test_submit_project_missing_name() ./test/test_product_controller.py	Inputs: None Outputs: Assert response	Tests a valid description, imageUrl, tags, email but an invalid name and returns a 403 response
test_submit_project_missing_description() ./test/test_product_controller.py	Inputs: None Outputs: Assert response	Tests a valid name, imageUrl, tags, email but an invalid description and returns a 403 response

test_submit_project_missing_imageUrl() ./test/test_product_controller.py	Inputs: None Outputs: Assert response	Tests a valid name, description, tags, email but an invalid imageUrl and returns a 403 response
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test_submit_project_missing_tags() ./test/test_product_controller.py	Inputs: None Outputs: Assert response	Tests a valid name,description, imageUrl, email but invalid tags and returns a 403 response
test_submit_project_missing_email() ./test/test_product_controller.py	Inputs: None Outputs: Assert response	Tests a valid name, description, tags, imageUrl but an invalid email and returns a 403 response
test_signup() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a valid name, password and email, returns a 200 response
test_signup_wrong_input() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a valid name, password but no email. Returns a 200 response
test_login_when_user_exist() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a valid email and a valid password, returns a 200 response
test_login_wrong_password() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a valid email but a invalid password, returns a 403 response
test_login_wrong_email() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a invalid email but a valid password, returns a 403 response
test_login_missing_password() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a login with no password and returns a 403 response
test_login_missing_email() ./test/test_user_auth.py	Inputs: None Outputs: Assert response	Tests a login with no email and returns a 403 response
Comments ./src/Components/Comments.js	Inputs: None Outputs: None	This component displays all the comments of a particular product and also has a input display to take in more comments
Dashboard ./src/Components/Dashboard	Inputs: None Outputs: None	This component is displayed when the user clicks on the “Your Projects” menu item. This component will display all projects that are associated with a user.
Feature ./src/Components/Feature	Inputs: None Outputs: None	This component is the specific feature which has the up and down votes

Feedback ./src/Components/Feedback	Inputs: None Outputs: None	This component displays all the feedback
Header ./src/Components/Header	Inputs: None Outputs: None	This component is the menu bar at the top of each page
Home ./src/Components/Home	Inputs: None Outputs: None	This component is the homepage which contains all the projects
Login	Inputs: None Outputs: None	This component displays the login page which requires the user to input an email

./src/Components/Login		and a password
Product ./src/Components/Product	Inputs: None Outputs: None	This component allows the user to add specific features and allows the user to upvote or downvote the features
ProductTile ./src/Components/ProductTile	Inputs: None Outputs: None	This component wraps the project in its separate box with an upvote and downvote.
ProjectForm ./src/Components/ProjectForm	Inputs: None Outputs: None	This component displays the form for a user to submit a new project
SignUp ./src/Components/Signup	Inputs: None Outputs: None	This component displays the signup registration form

addUserView() ./backend/user_projects_controller.py	Inputs: None Outputs: None	This component adds and displays all the views on products
add_to_timeline() ./backend/products.py	Inputs: product_name Outputs: None	This component adds features to timeline
add_new_comment() ./backend/products.py	Inputs: productId, feature_id Outputs: None	This component adds new comments for a feature of a product
get_timeline() ./backend/products.py	Inputs: product_name Outputs: List of timeline features	This component returns the list of timeline features