**E-commerce Website for Sporty Shoes**

**Project description:**

1. The sportyshoes API contains back-end of E-commerce website for sporty shoes it has admin and user portal.

2. Identifying and segregating the functionalities:

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| 1. **User functionality** | **Route Mapping** |
| 1. Sign up (UserId, Password, Username,Name) | /api/user/signUp (POST) |
| 1. Sign in and sign out | /api/user/signIn (POST) |
| 1. View the list of all products in inventory | / api/product/all (GET) |
| 1. Search for product by name | /api/product/search?/ name=<product> (GET) |
| 1. View the details of product by productId | /api/product{productId} (GET) |
| 1. View their own account details | /api/user/{userId}(GET) |
| 1. Purchase a product by productId | / api/user/{userId}/product/ productId/order (POST) |
| 1. View their purchase history(orders | /api/user/{userId}/order/all (GET) |
| 1. Edit their account details e.g change password | /api/user/{userId}/update/password (PATCH) |
| 1. Edit their account details e.g change name | /api/user/{userId}/update/userName (PATCH) |
| 1. Edit their account detail e.g username and password | /api/user/{userId}/update (PATCH) |
| 1. Delete their account | /api/user/{userId}/delete (DELETE) |

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| 1. **Admin functionalities** | **Route Mapping** |
| 1. Sign Up | /api/admin/signUp(POST) |
| 1. Sign in and sign out | /api/admin/signIn(POST) |
| 1. Change password | /api/admin/{adminId}/update/  Password (PATCH) |
| 1. Change adminName | /api/admin/{adminId}/update/  adminName (PATCH) |
| 1. Change both password and adminName | /api/admin/{adminId}/update/  (PATCH) |
| 1. Delete their account | /api/admin/{adminId}/delete (DELETE) |
| 1. View the list of all signed up users | /api/user/all(GET) |
| 1. Search for users by their name | /api/user/search?name=<user>  (GET) |
| 1. View the details of user by usrId(UserId, name) | /api/admin/{userId} (GET) |
| 1. View the list of all product in inventory | /api/admin/product/all (GET) |
| 1. Add a new product(productId, name, MSRP, quantityInStock, productVendor) | /api/product/add (POST) |
| 1. View the details of product by productId | /api/admin/product/{productId} (GET) |
| 1. Update the details of product like update name | /api/product/{productId}/update/name (PATCH) |
| 1. Update the details of product like update MSRP | /api/product/{productId}/update/msrp (PATCH) |
| 1. Update the details of product like update quantityInStock | /api/product/{productId}/update/quantityInStock (PATCH) |
| 1. Update the details of product like update productVendor | /api/product/{productId}/update/productVendor (PATCH) |
| 1. Delete a product by productId | /api/product/{productId}/delete (DELETE) |
| 1. View the list of all order sorted by orderDate ascending | /api/order/all/orderDate&orderingASC (GET) |
| 1. View the list of all order sorted by orderDate descending | /api/order/all/orderDate&orderingDESC (GET) |
| 1. View the list of all order sorted by ordered ascending | /api/order/all/orderId&orderingASC (GET) |
| 1. View the list of all order sorted by orderId descending | /api/order/all/orderId&orderingDESC (GET) |
| 1. View all the orders for given product by productId | /api/product/{productId}/order/  all (GET) |
| 1. View all the orders for user by userId | /api/admin/{userId}/order/all (GET) |