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| **E-COMMERCE WEBSITE FOR SPORTY SHOES** |

# **DEVELOPER DETAILS:**

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| **DEVELOPED BY** | **MANASA DUDDULA** |
| **GITHUB LINK** | **https://github.com/Manasadudddula/sportyshoes/tree/main** |

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# **SPRINT PLANNING AND TASK COMPLETION :**

The project is planned to be completed in 3 sprints. Tasks assumed to be completed in the sprints are:

* Create database and tables.
* Add all dependencies to the Maven project.
* Connect the database to the project.
* Create the models’ classes.
* Create the data access object classes using Hibernate.
* Create login and register pages.
* Show all products to the home page.
* Add products to the cart.
* Show user’s cart.
* Create user’s update page.
* Enable the admin to add a new product.
* Enable the ability to search for a specific product.
* Make the admin able to update and remove a product.
* Make the admin manage the users.
* Make the admin manage the orders.
* Add CSS file and use Bootstrap to format the pages.
* Debug and test the project.
* Push the code to the GitHub.

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# **CORE CONCEPTS USED IN THE PROJECT :**

Object-Oriented: used to create and model objects for users and their credentials.

• Data Access Object: to abstract and encapsulate all access to the data source.

• Object–Relational Mapping: to map the objects to the database.

• Databases: used to store and retrieve data.

• Data Sources: used to define a set of properties required to identify and access the database.

• Collections: used some collections such arraylist to store collection of data.

• Exception Handling: used to catch problems that arises in the code especially in I/O blocks

# **FLOW OF THE APPLICATION :**

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# **TECHNOLOGIES AND TOOLS USED:**

 Spring MVC: to build web applications as it follows the Model-View-Controller design pattern.

• JSP: to handle the presentation view.

• Hibernate: to simplify the development and the interaction with the database.

• CSS: to format the contents.

• Bootstrap: to use some CSS and JavaScript designs.

• Maven: to manage the project.

• Eclipse: to write and run the code.

• phpMyAdmin: to administrate and manage the database manually.

• Tomcat: to run and deploy servlet application.

# **HOW TO RUN THE PROGRAM :**

• Import the “main\webapp\resources\database\sporty-shoes.sql” file to your database administration tool.

• Go to “main\webapp\WEB-INF\sporty-shoes-servlet.xml” file, open it.

• Edit some values of the database’ properties such as username, password and driverClassName to be suit to your database administration tool.

• Now run program on a server.

• To login as an admin, you have to enter admin for both username and password.

# **PUSHING CODE TO THE GITHUB:**

**Github Link :**

# https://github.com/Manasadudddula/sportyshoes/tree/main