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| Batch | MS FSD DEC 2021 Cohort |
| Project Title | sportyshoes.com |
| Project Submission Date | 05/05/2022 |

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| Source Code: |
| package com.shoeApp;  import org.springframework.boot.SpringApplication;  import org.springframework.boot.autoconfigure.SpringBootApplication;  @SpringBootApplication  public class ShoeApplication {  public static void main(String[] args) {  SpringApplication.run(ShoeApplication.class, args);  }  } |

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| Module: |
| package com.shoeApp;  import javax.persistence.Entity;  import javax.persistence.GeneratedValue;  import javax.persistence.Id;  @Entity  public class Shoe {  @Id  @GeneratedValue  private int id;  private String name;  private String category;  private double price;  public int getId() {  return id;  }  public void setId(int id) {  this.id = id;  }  public String getName() {  return name;  }  public void setName(String name) {  this.name = name;  }  public String getCategory() {  return category;  }  public void setCategory(String category) {  this.category = category;  }  public double getPrice() {  return price;  }  public void setPrice(double price) {  this.price = price;  }  } |

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| **package** com.shoeApp;  **import** javax.persistence.Entity;  **import** javax.persistence.GeneratedValue;  **import** javax.persistence.Id;  @Entity  **public** **class** PurchesReport {    @Id  @GeneratedValue  **private** **int** id;  **private** String purchasedBy;  **private** String category;  **private** **int** quntity;  **private** **double** contact\_no;  **public** **int** getId() {  **return** id;  }  **public** **void** setId(**int** id) {  **this**.id = id;  }  **public** String getPurchasedBy() {  **return** purchasedBy;  }  **public** **void** setPurchasedBy(String purchasedBy) {  **this**.purchasedBy = purchasedBy;  }  **public** String getCategory() {  **return** category;  }  **public** **void** setCategory(String category) {  **this**.category = category;  }  **public** **int** getQuntity() {  **return** quntity;  }  **public** **void** setQuntity(**int** quntity) {  **this**.quntity = quntity;  }  **public** **double** getContact\_no() {  **return** contact\_no;  }  **public** **void** setContact\_no(**double** contact\_no) {  **this**.contact\_no = contact\_no;  }    } |

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| **Controller**: |
| package com.shoeApp;  import java.util.List;  import org.springframework.beans.factory.annotation.Autowired;  import org.springframework.web.bind.annotation.DeleteMapping;  import org.springframework.web.bind.annotation.GetMapping;  import org.springframework.web.bind.annotation.PathVariable;  import org.springframework.web.bind.annotation.PostMapping;  import org.springframework.web.bind.annotation.RequestBody;  import org.springframework.web.bind.annotation.RestController;  @RestController  public class ShoeController {  @Autowired  ShoeService shoeService;  @GetMapping("/shoes")  private List<Shoe> getAllShoes() {  return shoeService.getAllShoes();  }  @GetMapping("/shoes/{id}")  private Shoe getShoe(@PathVariable("id") int id) {  return shoeService.getShoeById(id);  }  @DeleteMapping("/shoes/{id}")  private void deleteShoe(@PathVariable("id") int id) {  shoeService.delete(id);  }  @PostMapping("/shoes")  private int saveShoe(@RequestBody Shoe shoe) {  shoeService.saveOrUpdate(shoe);  return shoe.getId();  }  } |

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| package com.shoeApp;  import java.util.List;  import org.springframework.beans.factory.annotation.Autowired;  import org.springframework.web.bind.annotation.DeleteMapping;  import org.springframework.web.bind.annotation.GetMapping;  import org.springframework.web.bind.annotation.PathVariable;  import org.springframework.web.bind.annotation.PostMapping;  import org.springframework.web.bind.annotation.RequestBody;  import org.springframework.web.bind.annotation.RestController;  @RestController  public class PurchesController {  @Autowired  PurchesReportService purchesReportService;  @GetMapping("/purchesReport")  private List<PurchesReport> getAllPurchesReport() {  return purchesReportService.getAllPurchesReport();  }  @GetMapping("/purchesReport/{id}")  private PurchesReport getPurchesReport(@PathVariable("id") int id) {  return purchesReportService.getPurchesReportById(id);  }  @DeleteMapping("/purchesReport/{id}")  private void deletePurchesReport(@PathVariable("id") int id) {  purchesReportService.delete(id);  }  @PostMapping("/purchesReport")  private int savePurchesReport(@RequestBody PurchesReport purchesReport) {  purchesReportService.saveOrUpdate(purchesReport);  return purchesReport.getId();  }  } |

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| **Repository**: |
| **package** com.shoeApp;  **import** org.springframework.data.repository.CrudRepository;  **public** **interface** ShoeRepository **extends** CrudRepository<Shoe, Integer> {  } |

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| **package** com.shoeApp;  **import** org.springframework.data.repository.CrudRepository;  **public** **interface** PurchesReportRepository **extends** CrudRepository<PurchesReport, Integer> {  } |

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| **Service**: |
| package com.shoeApp;  import java.util.ArrayList;  import java.util.List;  import org.springframework.beans.factory.annotation.Autowired;  import org.springframework.stereotype.Service;  @Service  public class ShoeService {  @Autowired  ShoeRepository shoeRepository;  public List<Shoe> getAllShoes() {  List<Shoe> shoes = new ArrayList<Shoe>();  shoeRepository.findAll().forEach(shoe -> shoes.add(shoe));  return shoes;  }  public Shoe getShoeById(int id) {  return shoeRepository.findById(id).get();  }  public void saveOrUpdate(Shoe shoe) {  shoeRepository.save(shoe);  }  public void delete(int id) {  shoeRepository.deleteById(id);  }  } |

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| package com.shoeApp;  import java.util.ArrayList;  import java.util.List;  import org.springframework.beans.factory.annotation.Autowired;  import org.springframework.stereotype.Service;  @Service  public class PurchesReportService {  @Autowired  PurchesReportRepository purchesReportRepository;  public List<PurchesReport> getAllPurchesReport() {  List<PurchesReport> PurchesReport1 = new ArrayList<PurchesReport>();  purchesReportRepository.findAll().forEach(PurchesReport -> PurchesReport1.add(PurchesReport));  return PurchesReport1;  }  public PurchesReport getPurchesReportById(int id) {  return purchesReportRepository.findById(id).get();  }  public void saveOrUpdate(PurchesReport purchesReport) {  purchesReportRepository.save(purchesReport);  }  public void delete(int id) {  purchesReportRepository.deleteById(id);  }  } |

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| Index.html |
| <!DOCTYPE html>  <html lang=*"en"*>  <head>  <meta charset=*"UTF-8"*>  <meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>  <meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>  <title>Shoe Commerce</title>  </head>  <body>  <div id=*"root"*></div>  </body>  <script>  fetch('/shoes').then(res => res.json()).then((shoes) => {      document.getElementById('root').innerHTML = (shoes.map(shoe => {  **return** `<p>${shoe.id}, ${shoe.name}, ${shoe.category}, ${shoe.price}</p>`  })).join("\t")      })  </script>  </html> |

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| **Application.properties :** |
| spring.datasource.url=jdbc:h2:mem:testdb  spring.datasource.driverClassName=org.h2.Driver  spring.datasource.username=sa  spring.datasource.password=password  spring.jpa.database-platform=org.hibernate.dialect.H2Dialect |

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| **pom.xml :** |
| <?xml version=*"1.0"* encoding=*"UTF-8"*?>  <project xmlns=*"http://maven.apache.org/POM/4.0.0"*  xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*  xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd"*>  <modelVersion>4.0.0</modelVersion>  <parent>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-parent</artifactId>  <version>2.2.2.RELEASE</version>  <relativePath />  </parent>  <groupId>com.shoeApp</groupId>  <artifactId>SportyShoes</artifactId>  <version>0.0.1-SNAPSHOT</version>  <name>SportyShoes</name>  <description>Sporty Shoes</description>  <properties>  <java.version>1.8</java.version>  </properties>  <dependencies>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-data-jpa</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-web</artifactId>  </dependency>  <dependency>  <groupId>com.h2database</groupId>  <artifactId>h2</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-test</artifactId>  <scope>test</scope>  <exclusions>  <exclusion>  <groupId>org.junit.vintage</groupId>  <artifactId>junit-vintage-engine</artifactId>  </exclusion>  </exclusions>  </dependency>  <!-- https://mvnrepository.com/artifact/org.springframework.boot/spring-boot-devtools -->  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-devtools</artifactId>  </dependency>  </dependencies>  <build>  <plugins>  <plugin>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-maven-plugin</artifactId>  </plugin>  </plugins>  </build>  </project> |