

## Title

Cafe Management System - Backend Code

### 1. MenuItem.java

```
@Entity
public class MenuItem {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;
    private String name;
    private double price;
    // Getters and Setters
}
```

### 2. MenuItemRepository.java

```
public interface MenuItemRepository extends JpaRepository<MenuItem, Long> {
}
```

### 3. OrderRequest.java

```
public class OrderRequest {
    private List<Long> itemIds;
    // Getters and Setters
}
```

### 4. CafeController.java

```
@RestController
@RequestMapping("/api")
@CrossOrigin(origins = "**")
```

```

public class CafeController {

    @Autowired

    private MenuItemRepository menuItemRepo;


    @GetMapping("/menu")
    public List<MenuItem> getMenu() {
        return menuItemRepo.findAll();
    }


    @PostMapping("/order")
    public Map<String, Object> placeOrder(@RequestBody OrderRequest request) {
        List<MenuItem> items = menuItemRepo.findAllById(request.getItemIds());
        double total = items.stream().mapToDouble(MenuItem::getPrice).sum();
        Map<String, Object> response = new HashMap<>();
        response.put("total", total);
        return response;
    }
}

```

## 5. CafeBackendApplication.java

```

@SpringBootApplication
public class CafeBackendApplication {

    public static void main(String[] args) {
        SpringApplication.run(CafeBackendApplication.class, args);
    }

}

```

## 6. application.properties

```

spring.datasource.url=jdbc:mysql://localhost:3306/cafedb
spring.datasource.username=root
spring.datasource.password=your_password

```

spring.jpa.hibernate.ddl-auto=update

spring.jpa.show-sql=true

server.port=8080