

The logo for EduBridge, featuring the text "EduBridge" in a sans-serif font above a stylized blue and black swoosh graphic.

EduBridge

EDU BRIDGE
TEAM OF JAVA FULL STACK DEVELOPER

“HEALTH CARE MANAGEMENT SYSTEM”

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OBJECTIVE:

Our main is to financially protect Below Poverty Line (BPL) families from monetary burdens and liabilities that are a result of unfortunate health-related situations and emergencies. Under this scheme, the beneficiaries are eligible .

INTRODUCTION

- ❖ For every human being in a world health is very important.
- ❖ Hospitals , clinics and community health agencies can be very different from other work environments
- ❖ Health care management systems are complex and there are many things need to know about types of hospital systems , patient care , insurance , health care providers and legal issues.
- ❖ As we work with the patients we will be understood about different types of insurance , like how to protect rights and privacy
- ❖ We need to know what community resources are available and how to access those services for patients.
- ❖ Insurance funds are managed by different third party institutions , in some systems the managing organization may also own or manage the service providers.

REQUIREMENTS:

❑ HARDWARE REQUIREMENTS:

- ❖ Hard Disk
- ❖ Internal Memory
- ❖ Mouse
- ❖ Key board
- ❖ Display
- ❖ Mouse

❑ SOFTWARE REQUIREMENTS:

- ❖ Spring Boot
- ❖ Post Man
- ❖ My Sql

ADVANTAGES:

- ❑ The increasing prevalence of lifestyle diseases such as diabetes , hypertension , stroke and heart attack among the young as well as the elder people in INDIA is becoming a major cause of concern.
- ❑ Having a family history of these conditions does not ensure protection from related complications
- ❑ In today's fast paced life we must be prepared for a medical contingency at all time where a robust health insurance policy can help
- ❑ One of the major health insurance benefits is that it allows us to take

DISADVANTAGES

- ❑ Free, continuous and reliable information wasn't always available.
- ❑ Lack of adequate information was a hindrance to arrive at a proper conclusion.
- ❑ The preference of consumers regarding various company policies may vary by their own analysis and observations from time to time

SPRING BOOT

- ❑ Spring Boot is an open source Java-based framework used to create a micro service
- ❑ Micro Service is an architecture that allows the developers to develop and deploy services independently. Each service running has its own process and this achieves the lightweight model to support business applications.

Advantages :

- ❑ Simple scalability
- ❑ Compatible with Containers
- ❑ Minimum configuration
- ❑ Lesser production time
- ❑ Easy deployment

POST MAN

- ❑ Post man is an API platform for building and using API's .
- ❑ Post man simplifies each step of the API lifecycle and streamlines collaboration so you can create better.
- ❑ Post man is the place to find an official information on how to use post man in API projects.

Workflow in post man :

- ❖ Making Requests
- ❖ Building and managing APIs
- ❖ Publishing APIs
- ❖ Collaborating with team
- ❖ Developing in team

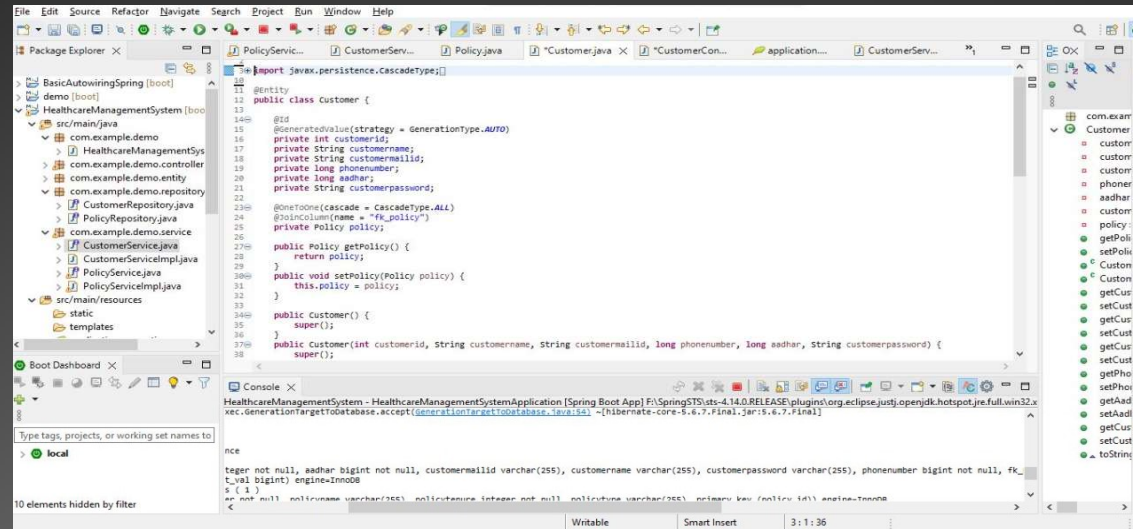
MY SQL:

- ❑ MySQL is a database system used for developing web-based software applications.
- ❑ MySQL used for both small and large applications.
- ❑ MySQL is a relational database management system (RDBMS).
- ❑ MySQL is fast, reliable, and flexible and easy to use.
- ❑ MySQL supports standard SQL (Structured Query Language)

KEY POINTS

- ❖ Database
- ❖ Table
- ❖ Primary Key
- ❖ Foreign Key

CODING



@Entity

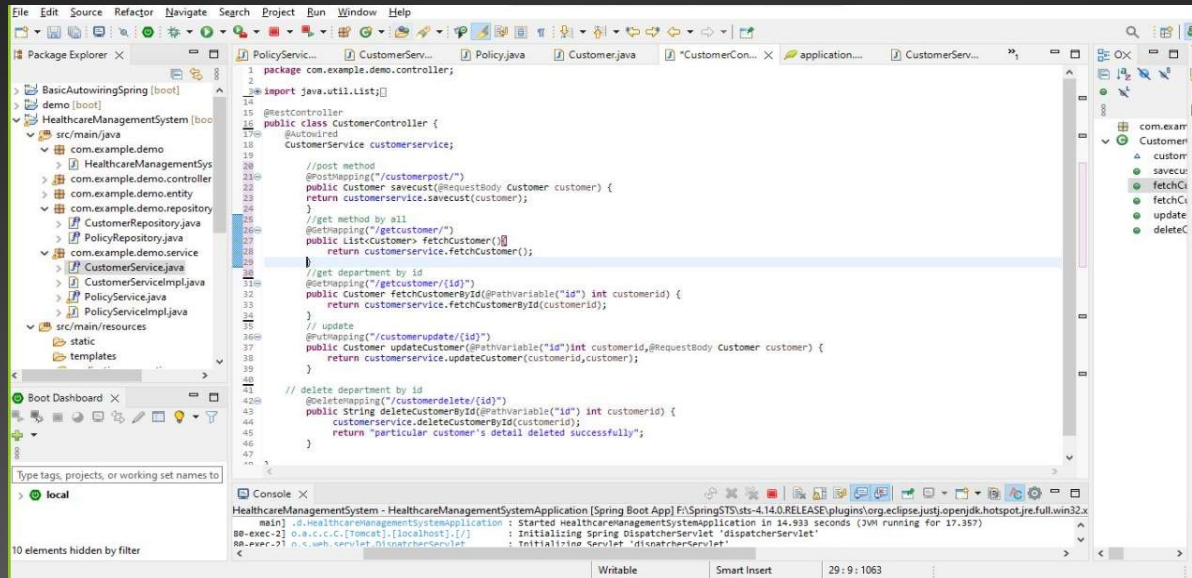
The annotation specifies that the class is an entity and is mapped to a database table

@Id

The annotation is inherited from javax.persistence.Id indicating the member field below is the primary key of current entity

@ one to one

The column is set as unique , that is object can be associated with a single employee object.



@Rest Controller

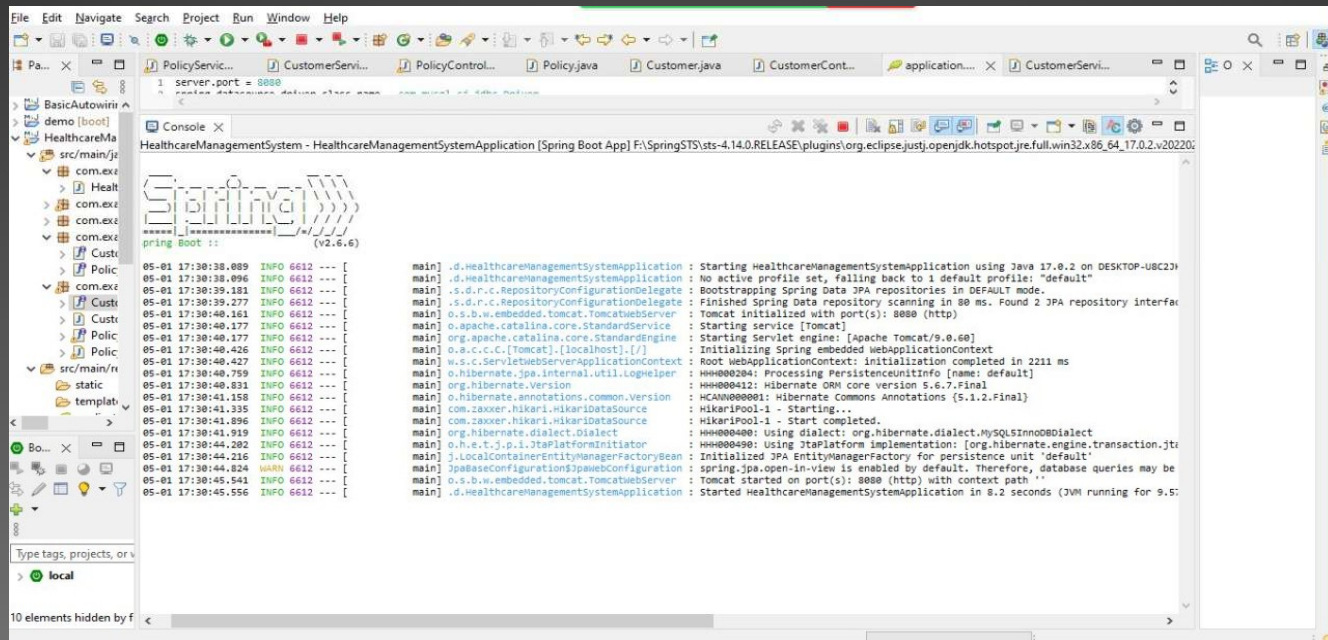
❖ RestController is a Spring annotation that is used to build REST API in a declarative way.

RestController annotation is applied to a class to mark it as a request handler, and Spring will do the building and provide the restful web service at runtime

@Autowiring

❖ The @Autowiring annotation can be used to autowire bean on the setter method just like @Required annotation, constructor, a property or methods with arbitrary names and/or multiple arguments.

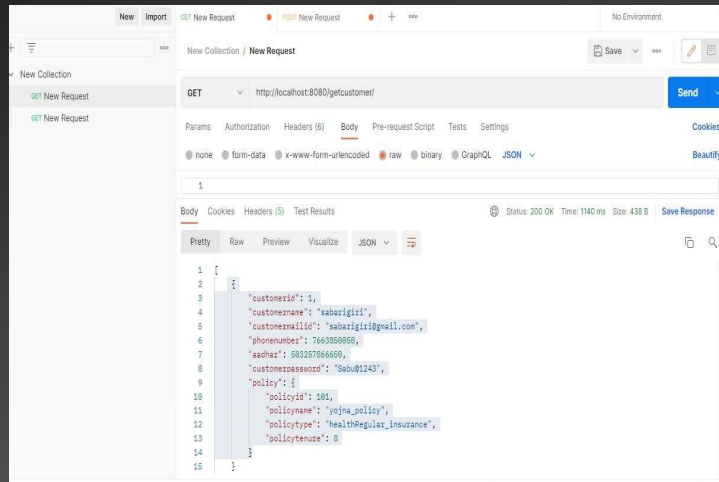
RESULT OF SPRING BOOT



```
File Edit Navigate Search Project Run Window Help
Pa... X
PolicyServi... CustomerServi... PolicyControl... Policy.java Customer.java CustomerCont... application... CustomerServi...
1 server_port = 8080
HealthcareManagementSystem - HealthcareManagementSystemApplication (Spring Boot App) F:\SpringSTS\sts-4.14.0.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220202\jre\bin\java.exe
HealthcareManagementSystem - HealthcareManagementSystemApplication (Spring Boot App) F:\SpringSTS\sts-4.14.0.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220202\jre\bin\java.exe
Spring Boot (v2.6.6)
05-01 17:30:38.889 INFO 6612 --- [main] .d.HealthcareManagementSystemApplication : Starting HealthcareManagementSystemApplication using Java 17.0.2 on DESKTOP-UBC23
05-01 17:30:38.896 INFO 6612 --- [main] .d.HealthcareManagementSystemApplication : No active profile set, falling back to 1 default profile: "default"
05-01 17:30:39.181 INFO 6612 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
05-01 17:30:39.277 INFO 6612 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 80 ms. Found 2 JPA repository interfaces.
05-01 17:30:40.161 INFO 6612 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
05-01 17:30:40.177 INFO 6612 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
05-01 17:30:40.177 INFO 6612 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.60]
05-01 17:30:40.426 INFO 6612 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded webapplicationcontext
05-01 17:30:40.427 INFO 6612 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2211 ms
05-01 17:30:40.759 INFO 6612 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHN000024: Processing PersistenceUnitInfo [name: default]
05-01 17:30:40.831 INFO 6612 --- [main] org.hibernate.Version : HHN000412: Hibernate ORM core version 5.6.7.Final
05-01 17:30:41.158 INFO 6612 --- [main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations (5.1.2.Final)
05-01 17:30:41.335 INFO 6612 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
05-01 17:30:41.596 INFO 6612 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
05-01 17:30:41.919 INFO 6612 --- [main] org.hibernate.dialect.Dialect : HHN000400: Using dialect: org.hibernate.dialect.MySQLInnoDBDialect
05-01 17:30:44.282 INFO 6612 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHN000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
05-01 17:30:44.216 INFO 6612 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
05-01 17:30:44.824 INFO 6612 --- [main] jpase.BaseConfigurationJpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be
05-01 17:30:45.541 INFO 6612 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
05-01 17:30:45.556 INFO 6612 --- [main] .d.HealthcareManagementSystemApplication : Started HealthcareManagementSystemApplication in 8.2 seconds (JVM running for 9.5s)
```

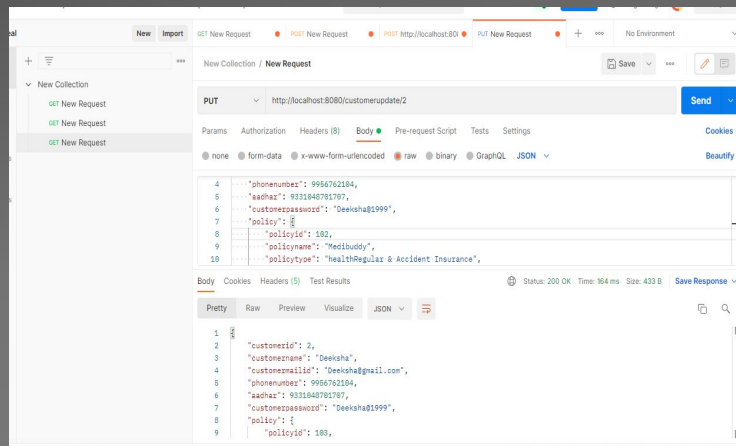
❑ It automatically configures all the application

POST MAN METHODS



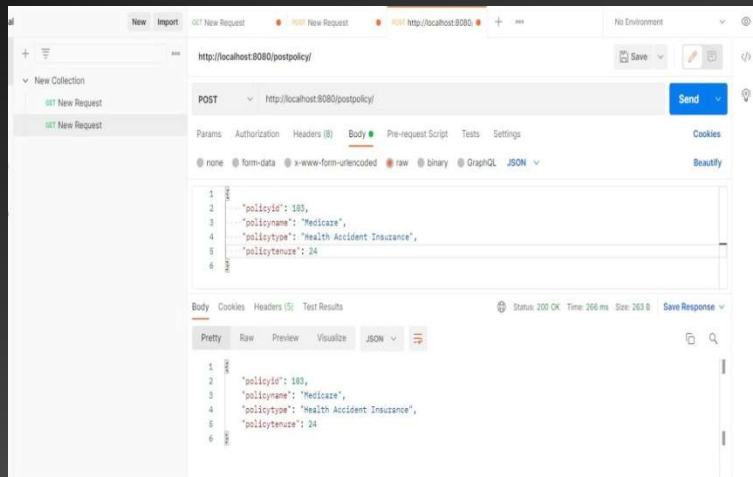
GET METHOD

Helps to get all the customer details as well as specified customer details.



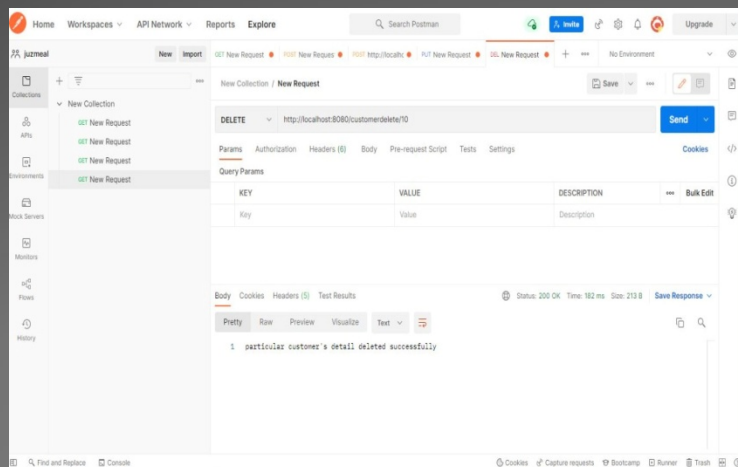
PUT METHOD

Helps to update the information for the existing customers and policy.



POST METHOD

Helps to send the data of the customer and also policy to create a row for the particular fields.



DELETE METHOD

It will delete the records as per the client's request.

CONCLUSION

- ❑ Everyone needs to be well informed and concerned about the quality of care.
- ❑ Everyone means patients and their families, consumer agents and advocates, health professionals, administrators of health plans and facilities, purchasers of health care services, and policymakers at all levels.
- ❑ So as a part of this health care management process we can give the insurance policy to the customers and help them

FUTURE WORK

- ❑ The main goal for the future work will be developing an complete technical support team for helping the customers problems and solving there problems.
- ❑ some of new policies also will be added.

Thank You

