

The image displays a series of 15 screenshots from a code editor, illustrating the development of a REST API using Spring Boot. The steps are as follows:

- Controller Setup:** The `UserController` class is created, extending `RestController` and implementing `GetMapping` and `PostMapping` methods for user retrieval and creation.
- Service Layer:** The `UserService` interface is defined, and the `impl` package is created for its implementation.
- Entity Class:** The `User` entity is created, including fields for `id`, `username`, `password`, and `email`, with appropriate annotations.
- DTO Class:** The `UserDTO` class is created to handle data transfer between the client and the server.
- Database Layer:** The `UserRepository` interface is defined, and the `impl` package is created for its implementation.
- Database Schema:** The `user` table is created in the database, with columns for `id`, `username`, `password`, and `email`.
- API Testing:** The `UserController` is tested using `curl` commands to verify the API endpoints.
- API Documentation:** The `UserController` is documented using `Swagger` annotations.
- API Security:** The `UserController` is secured using `Spring Security` annotations.
- API Deployment:** The `UserController` is deployed to a cloud provider.
- API Monitoring:** The `UserController` is monitored using `Spring Boot Actuator`.
- API Maintenance:** The `UserController` is maintained using `Spring Boot DevTools`.
- API Updates:** The `UserController` is updated using `Spring Boot Gradle`.
- API Backup:** The `UserController` is backed up using `Spring Boot Maven`.
- API Restore:** The `UserController` is restored using `Spring Boot Gradle`.