

Software Systems Planning (Gpo 101)



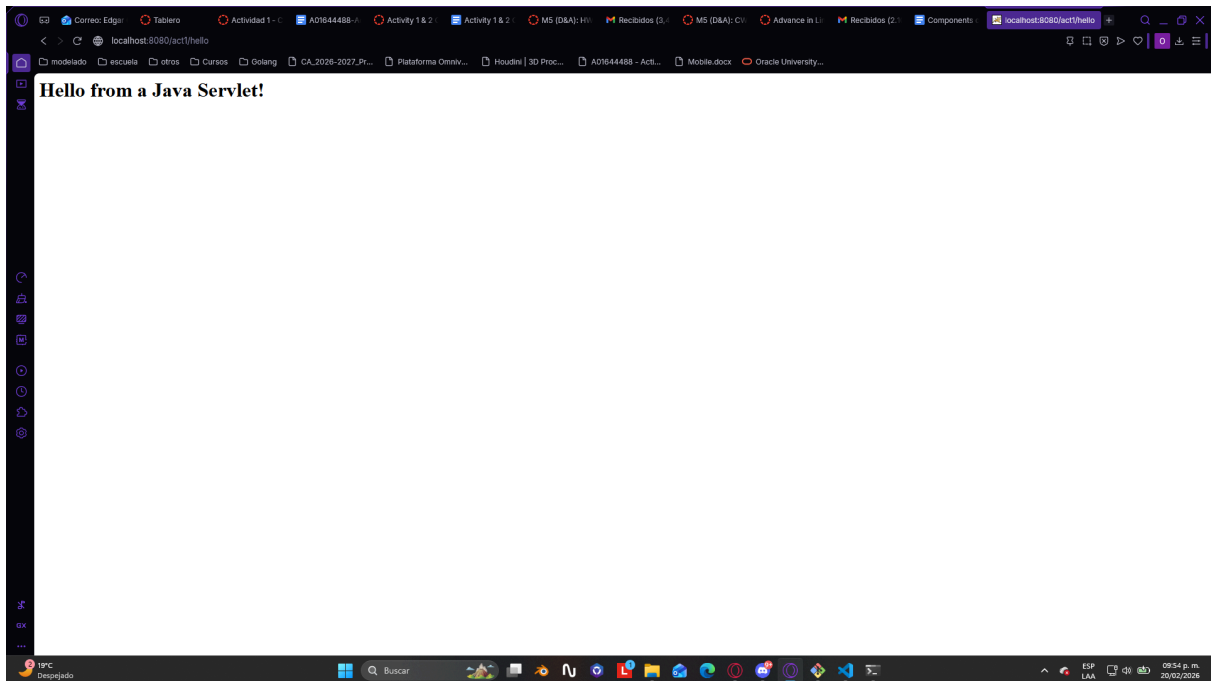
Actividad 1 - Configuración de ambientes y creación de servlets (Adolfo) (Gpo 101)

Edgar Osvaldo Navarro García A01644488

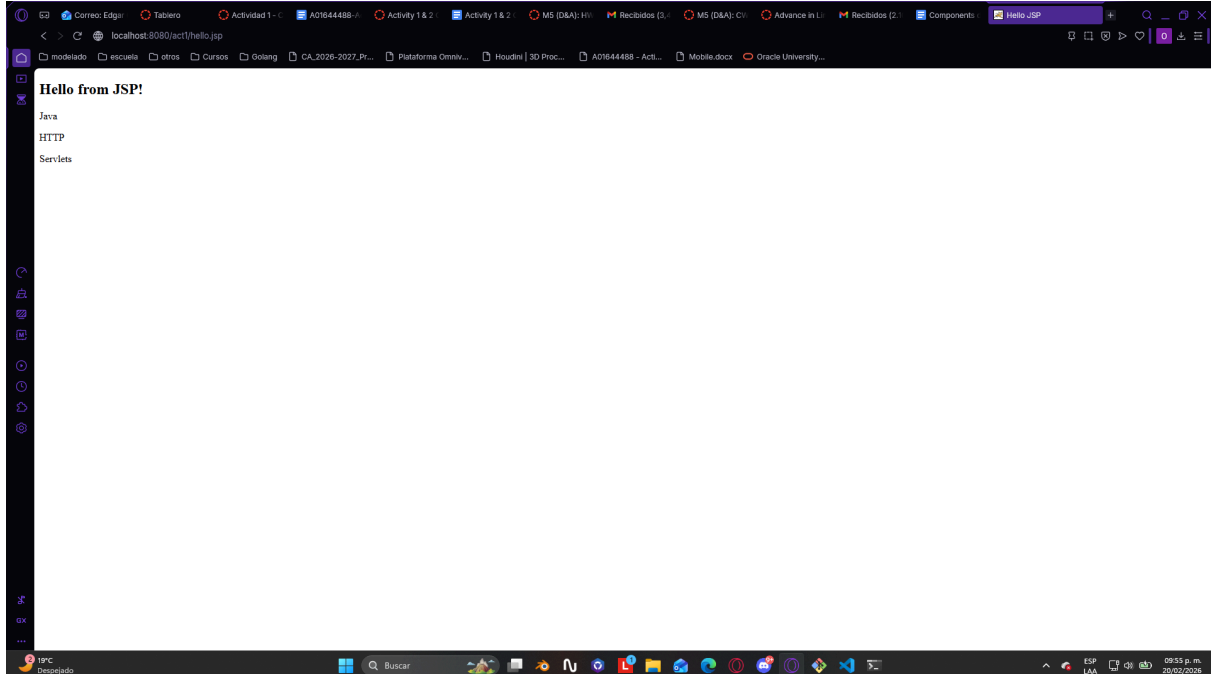
February 20, 2026

Adolfo Ernesto Arroyo Alanis

Part 2 — Create and Run a Java Web Server with Servlets (20 min)

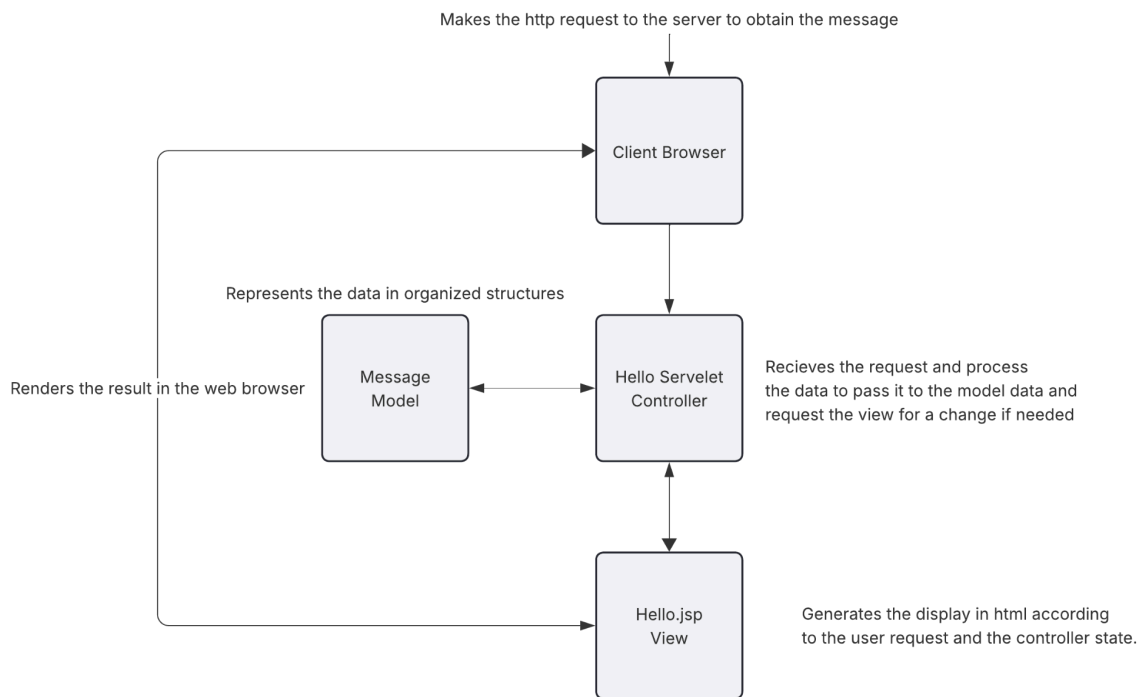


Part 3 — JSP & JSTL

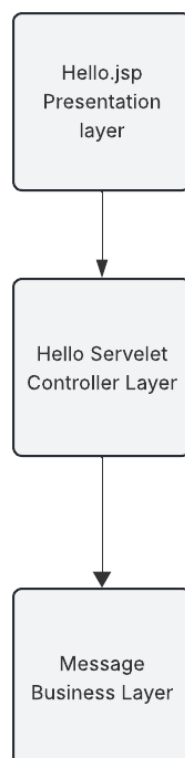


Part 4 — Modern Web Application Architecture

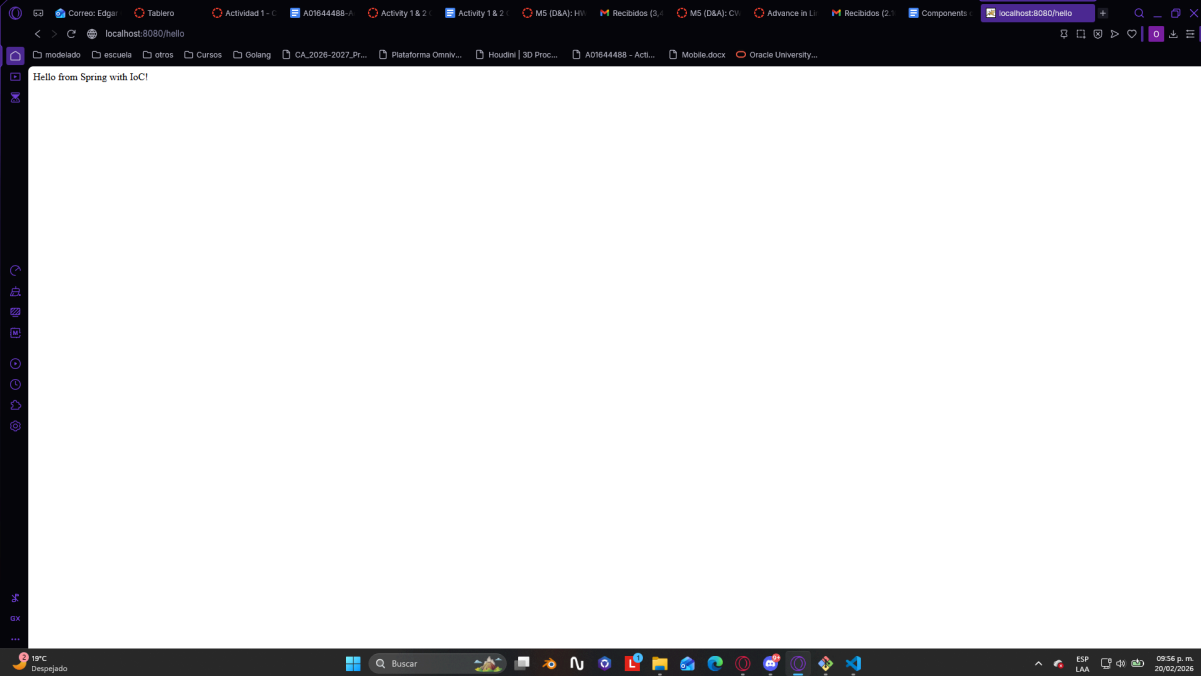
MVC



Layered Structure



Part 5 — Intro to Spring Framework & IoC



The screenshot shows an IDE interface. The top part is a web browser window displaying "Hello from Spring with IoC!". Below the browser is a terminal window showing the output of a Java application. The terminal output includes the following log messages:

```
2026-02-20T21:55:59.223-06:00 INFO 33196 --- [demo] [main] com.example.demo.DemoApplication : Starting DemoApplication using Java 25.0.2 with PID 33196 (C:\Programacion\WEB\Spring\demo\target\classes
started by ngedg in C:\Programacion\WEB\Spring\demo)
2026-02-20T21:55:59.226-06:00 INFO 33196 --- [demo] [main] com.example.demo.DemoApplication : No active profile set, falling back to 1 default profile: "default"
2026-02-20T21:55:59.658-06:00 INFO 33196 --- [demo] [main] o.s.boot.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2026-02-20T21:55:59.666-06:00 INFO 33196 --- [demo] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2026-02-20T21:55:59.667-06:00 INFO 33196 --- [demo] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/11.0.18]
2026-02-20T21:55:59.697-06:00 INFO 33196 --- [demo] [main] b.w.c.s.WebApplicationContextInitializer : Root WebApplicationContext: initialization completed in 439 ms
2026-02-20T21:55:59.804-06:00 INFO 33196 --- [demo] [main] o.s.boot.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2026-02-20T21:55:59.898-06:00 INFO 33196 --- [demo] [main] com.example.demo.DemoApplication : Started DemoApplication in 0.894 seconds (process running for 1.094)
2026-02-20T21:56:00.010-06:00 INFO 33196 --- [demo] [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2026-02-20T21:56:00.012-06:00 INFO 33196 --- [demo] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2026-02-20T21:56:00.016-06:00 INFO 33196 --- [demo] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 4 ms
```

The terminal window also shows the status bar at the bottom: "Ln 3, Col 47 Spaces: 4 UTF-8 CRLF {} Java Prettier".