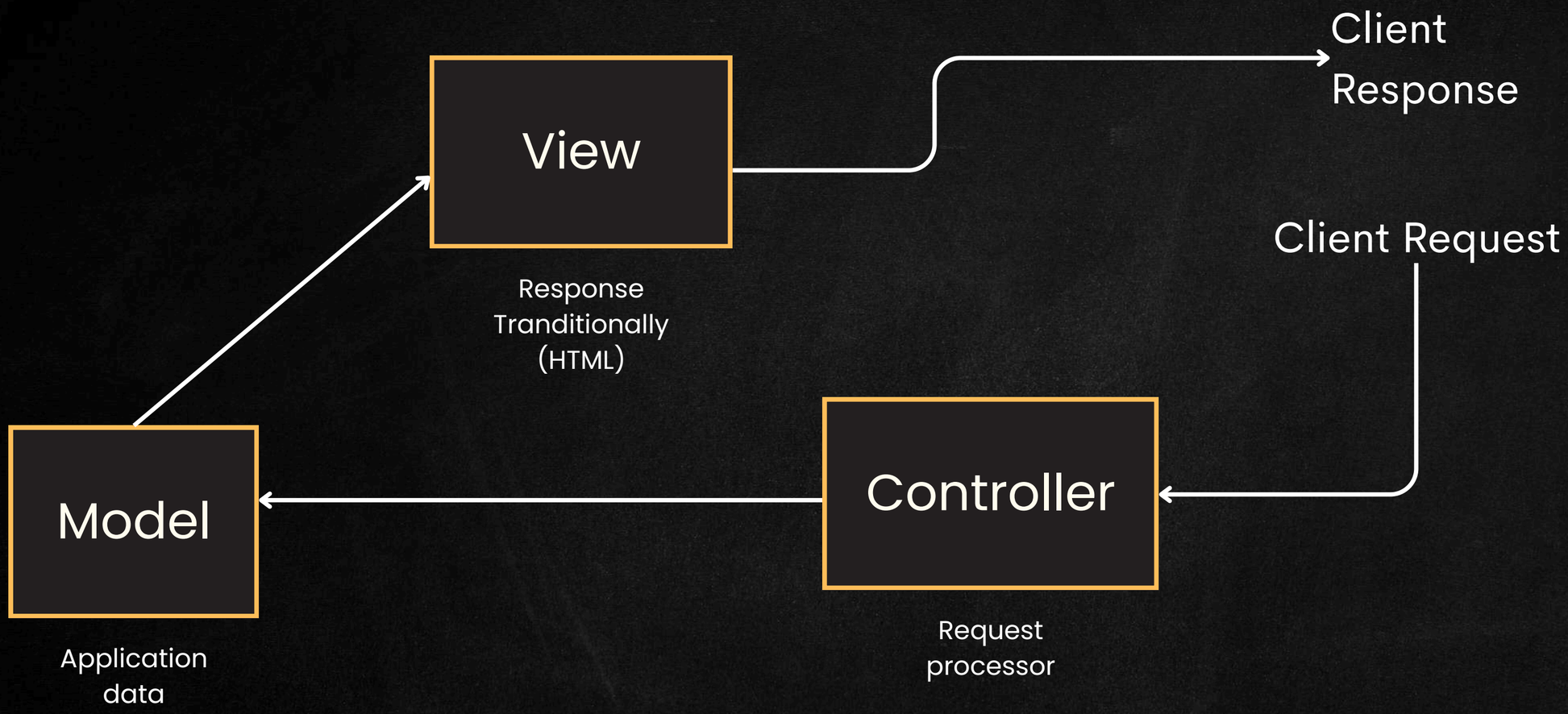
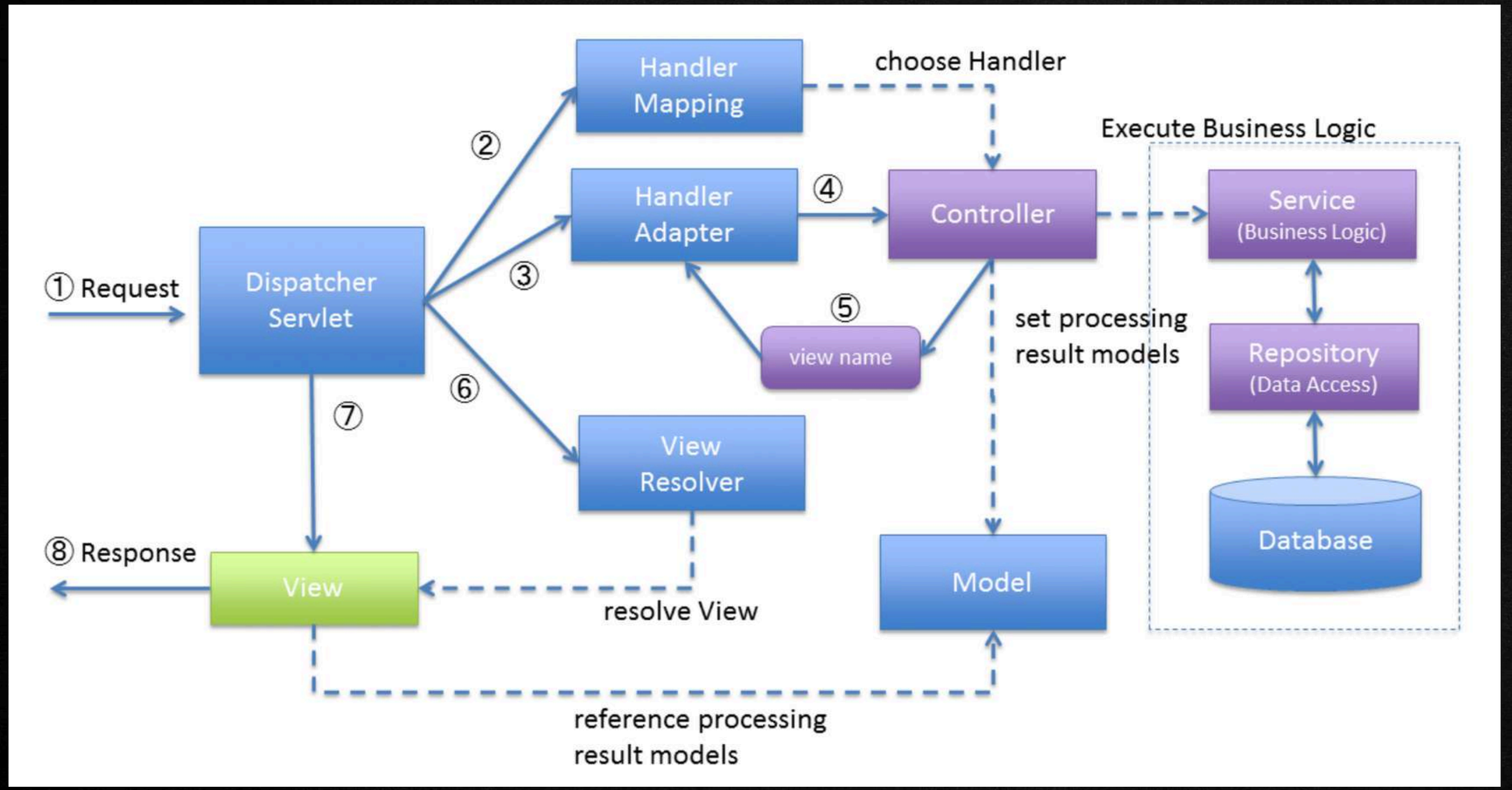
How does a Web Server works in Spring Boot?

APIs

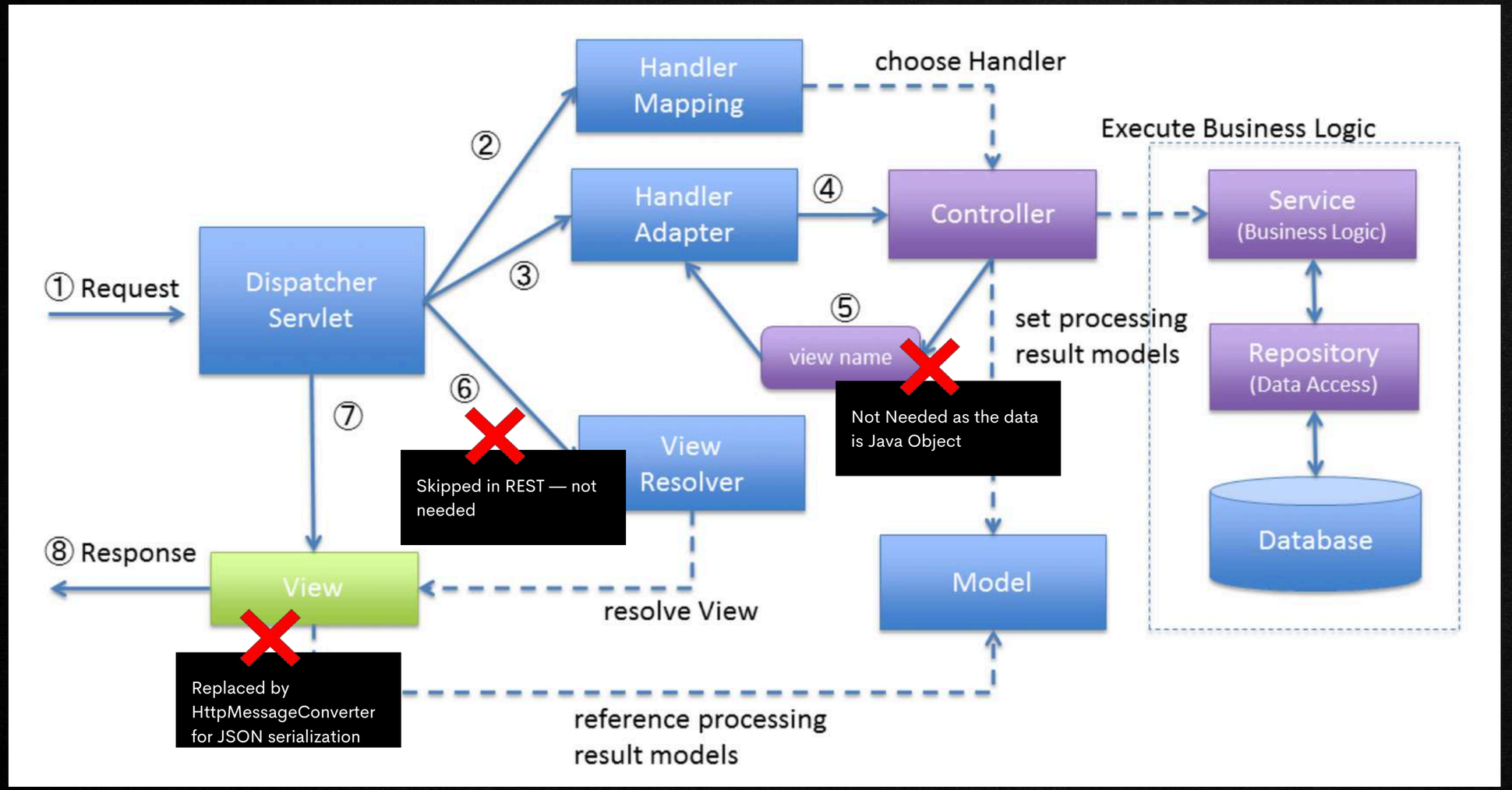
MVC Architecture



Spring MVC (Traditional Flow)



Spring MVC with REST APIs



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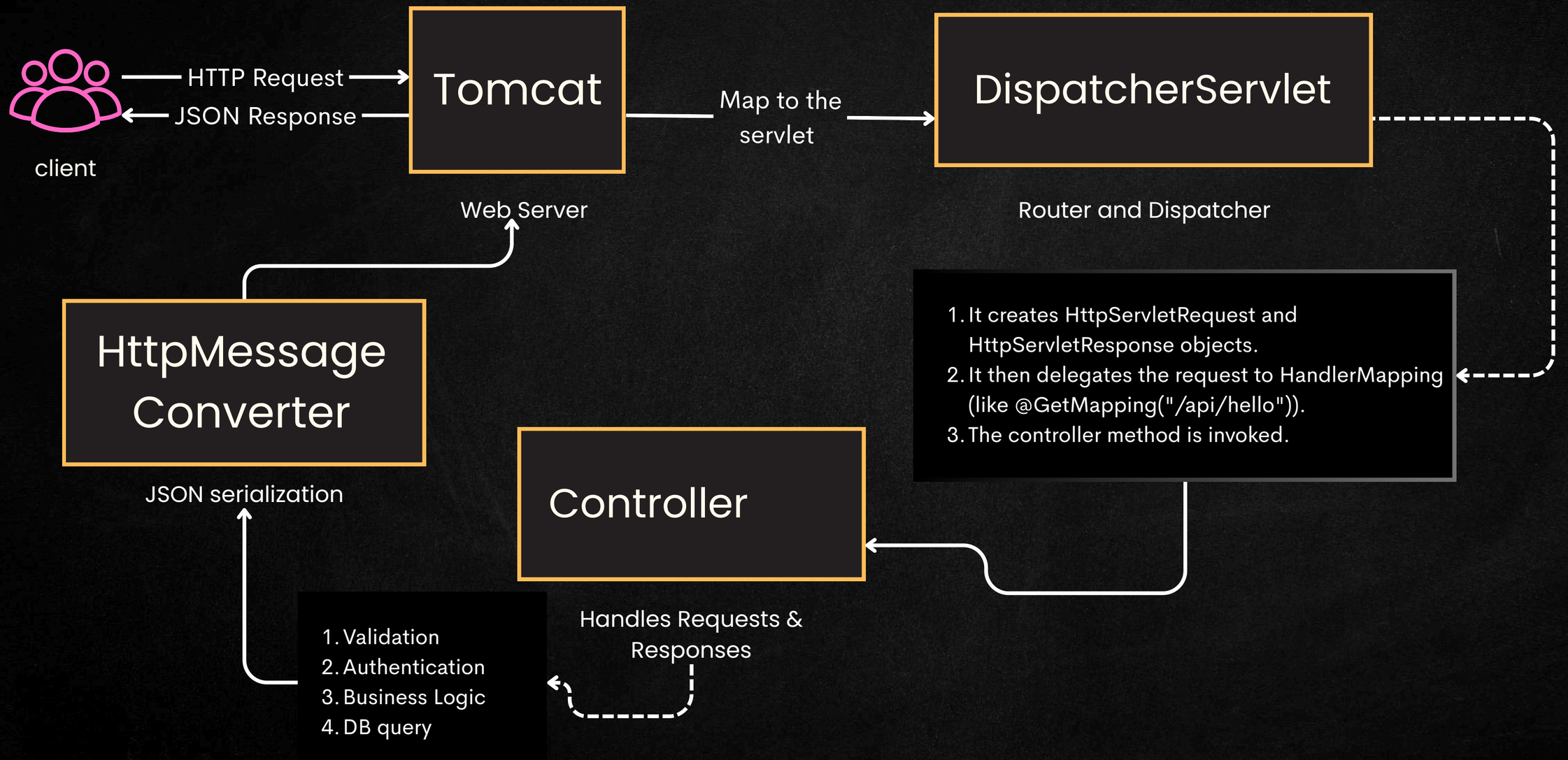
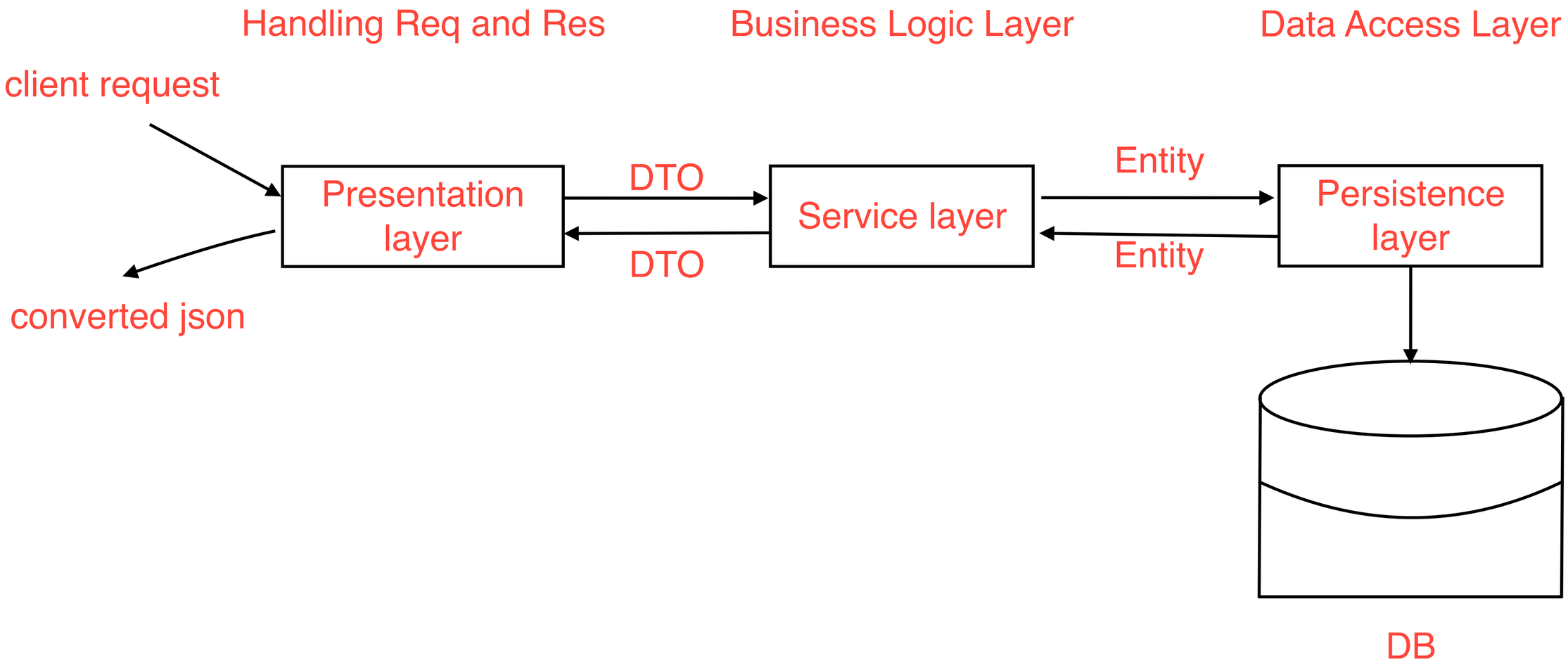


How does a Web Server works in Spring Boot?

Browser/Postman
↓
Embedded Tomcat
↓
DispatcherServlet
↓
HandlerMapping → which controller?
↓
HandlerAdapter → call controller method
↓
Controller method returns POJO/DTO
↓
HttpMessageConverter (e.g., Jackson → JSON)
↓
DispatcherServlet writes to HttpServletResponse
↓
Client gets JSON


Handling Req and Res
Business Logic Layer
Data Access Layer
client request
Presentation layer
DTO
DTO
Service layer
Entity
Entity
Persistence layer
converted json
DB