**Enterprise Java Week 2**

A screenshot of a computer

Description automatically generated

* Spring Framework Modules
  + Spring Web: The Web-Servlet module contains Springs Model, View, Controller implementation for web apps. Provides clean separation between domain model code and web forms, and integrates with all other features of Spring Framework
  + Core: Core and beans modules provide fundamental parts of the framework, including Inversion of Control and Dependency Injection (Auto instantiates objects from classes) features
  + Spring Data Access: Spring helps developers connect their web apps to data stores. Supports relational and non-relational databases, and cloud-based data services
  + JDBC module provides an abstraction layer that removes tedious JDBC coding and parsing

A diagram of a model

Description automatically generated

* Front Controller:
  + Receives all incoming requests and delegates to other components for further processing. Forwards request to specific controllers like Spring MVC controllers, and ViewResolvers
  + Common pattern in web apps, the DispatcherServlet is a front controller provides a single entry point for client request to web app
* Spring Framework
  + Provides a comprehensive programming and config model for modern java-based enterprise apps.
  + Makes web development fast and hassle free
  + Automate most of the boring repetitive stuff
* Spring Boot
  + We make java classes, add the @Controller annotation to allow it to handle incoming and outgoing HTTP requests
  + Comes with, starts, and stops its own enabled web server, Tomcat server
  + Spring looks in template folder cuz of thymeleaf
  + Every method of the main controller will return a string, which is the html