CDT Coding Exercise – Technologies Used / Reason behind Using them.

1. Spring 4.2
2. Java 1.7
3. Spring Boot
4. Spring DATA
5. In Memory DB – HSQLDB .
6. Maven
7. REST
8. JUNIT
9. Jetty Server .

Used the latest Spring / Spring boot / Spring DATA/ REST / JUNIT / HSQLDB versions available to write the CDT Coding exercise . decision to use these Cutting edge technologies is made because of the below advantages .

1. Loose Coupling
2. Light Weight Pojos
3. Templating / Minimal Annotated Java based Configs / Auto Configs from Spring 4.2
4. No boiler Plate Code
5. Integrated Unit Tests – Spring has a feature to test the REST Web Services from the integration test cases by starting the server while running the test cases. Used this feature of spring to write integrated test cases .
6. Declarative Programing .
7. Easier Test Driven Coding .
8. Test Cases for every layer .