**Read Me**

Change log

* Implemented BCryptPasswordEncoder for securing passwords.
* Userdetails.password variable in properties file should be encoded to run the get authenticated.

This commit consists of following features.

* Spring Boot starter web.
* Spring securities.
* Json web token.
* Jaxb-api

Default authentication for spring securities has been overridden with the JWT based authorization. MyUserDetailsService.java implements the UserDetailsService.java and should contains the logic to load user. Currently it contains the values, username and password from **application.properties** file.

Application.properties file contains the following variables

* Userdetails.username
* Userdetails.password
* Jwt.secretkey
* Jwt.timeout

One can easily import and run this project by providing values for above four variables.

**Jwt.secretkey** variable contains the value of secret key used for generating JWT and validating JWT.

**Jwt.timeout** variable contains time in milliseconds for which JWT will be valid.

“/**authenticate**” controller is accessible for authorization, provides JWT and serves as entry point for the application. “/**hello**” controller is created to test the functionality and no other controller is created in this project.

**Future Scope:**

* Integration with database.
* Implement more secure password encoder.
* Provide a controller to refresh the JWT when it is close to expire or expired using existing JWT.