

```

package com.etincelles.utility;
import java.security.SecureRandom;
import java.util.Random;
import org.springframework.context.annotation.Bean;
import org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;
import org.springframework.stereotype.Component;

@Component
public class SecurityUtility {
    private static final String SALT = "[add your salt here]";
    // Salt should be protected carefully

    @Bean
    public static BCryptPasswordEncoder passwordEncoder() {
        return new BCryptPasswordEncoder( 12, new SecureRandom( SALT.getBytes() ) );
    }

    @Bean
    public static String randomPassword() {
        String SALTCHARS = "[put here the salt chars]";
        StringBuilder salt = new StringBuilder();
        Random rnd = new Random();

        while ( salt.length() < 18 ) {
            int index = (int) ( rnd.nextFloat() * SALTCHARS.length() );
            salt.append( SALTCHARS.charAt( index ) );
        }
        String saltStr = salt.toString();
        return saltStr;
    }
}

```