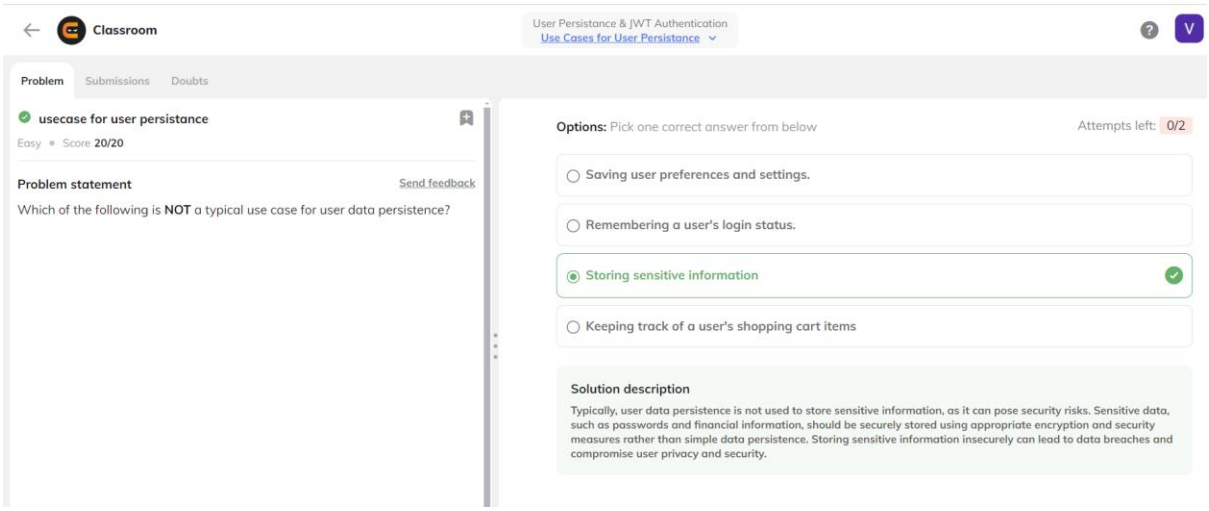
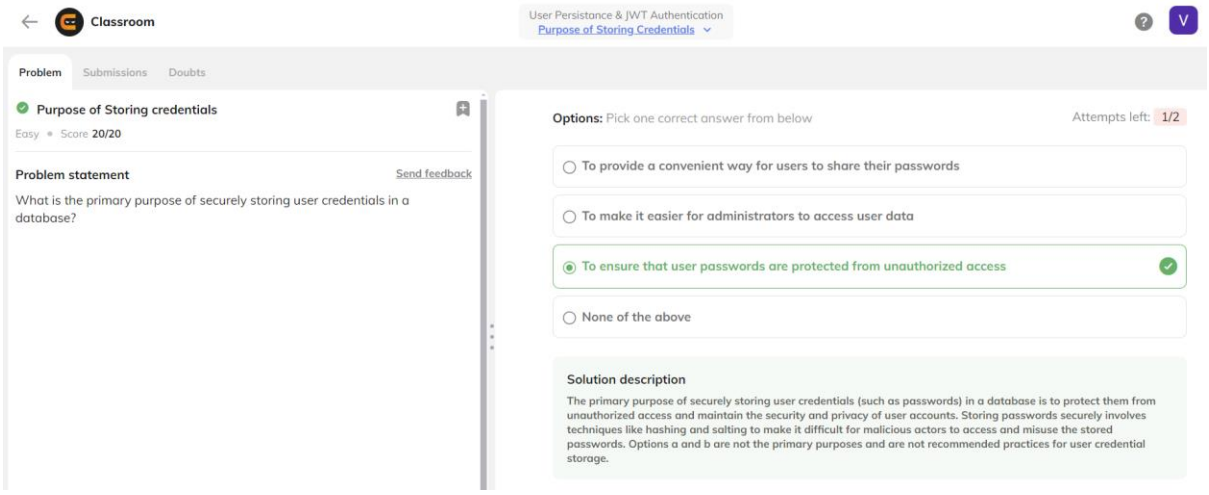
# Quiz Questions

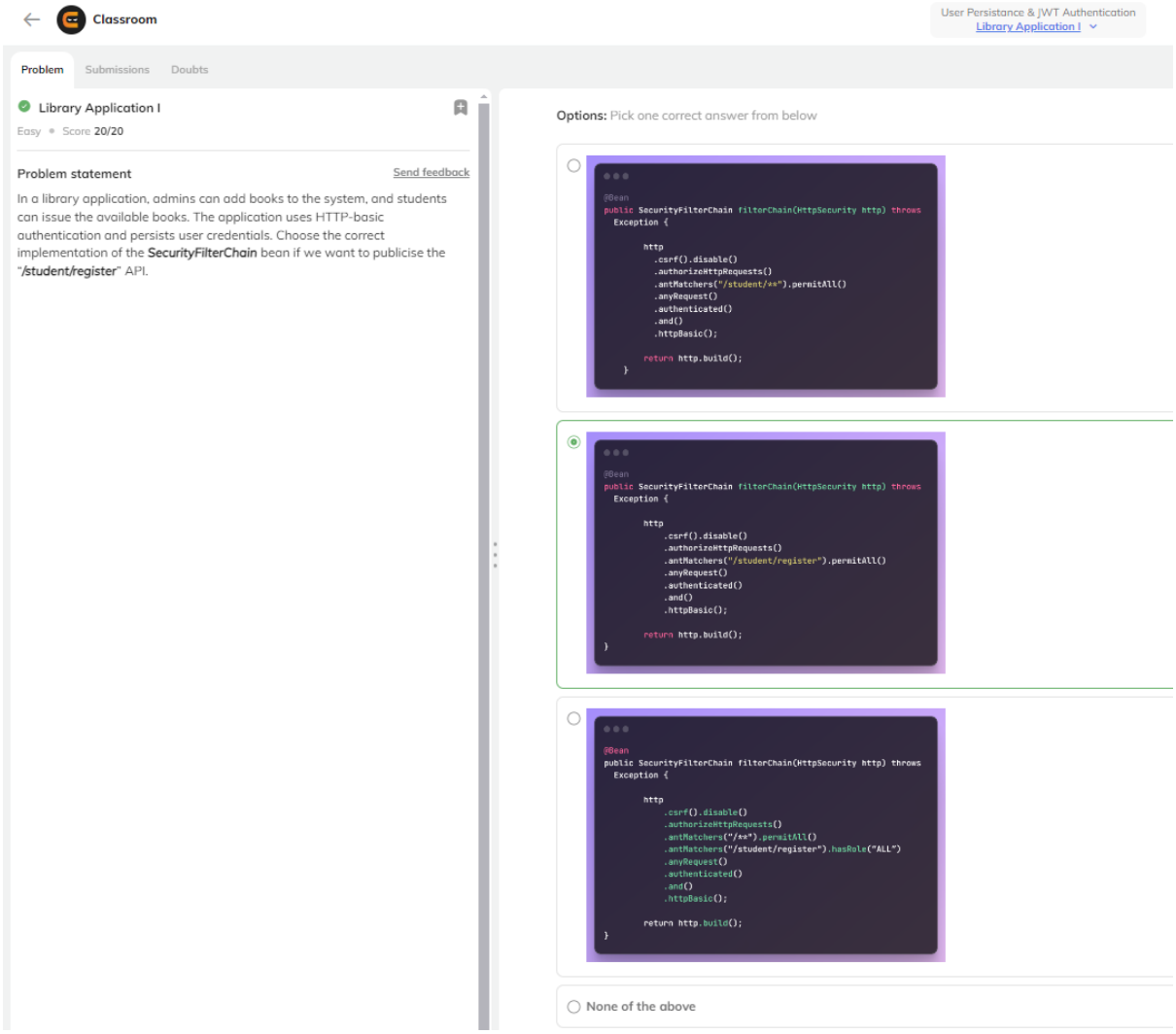
(1) Use case for user persistence



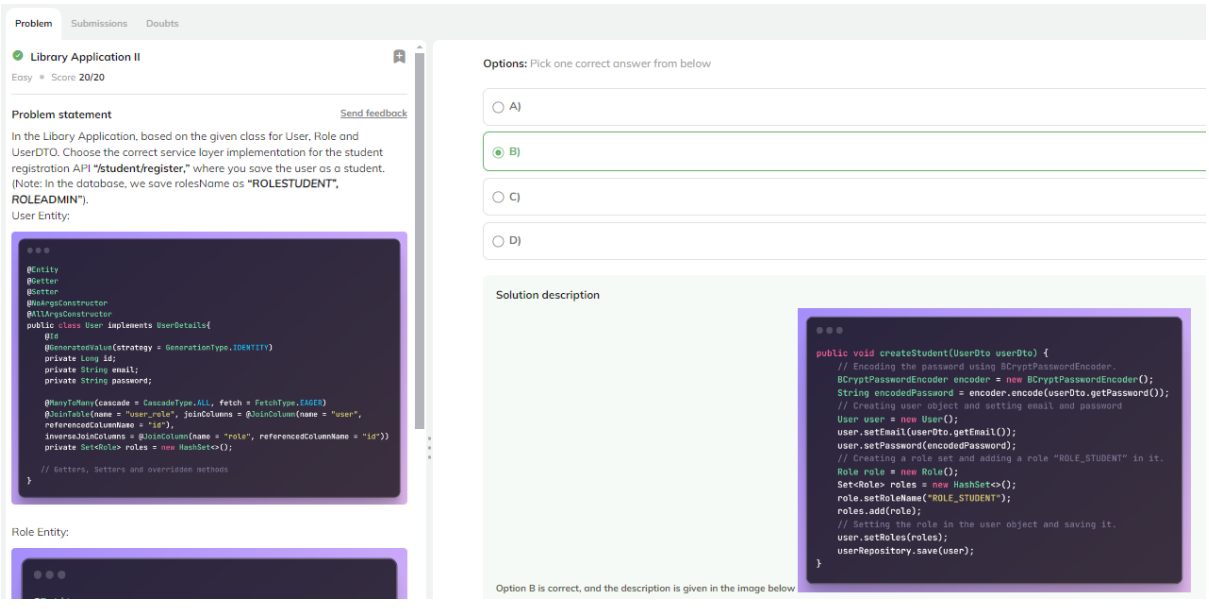

(2) Purpose of Storing Credentials



## (3) Library Application I




## (4) Library Application II



Role Entity:

```java
@Entity
@Getter
@Setter
@NoArgsConstructor
@AllArgsConstructor
@Table(name = "role")
public class Role {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;
    private String roleName; //Student and Admin
}
```

UserDto:

```java
@Data
public class UserDto {
    private String email;
    private String password;
  }
```

A)

```java
public void createStudent(UserDto userDto) {
    BCryptPasswordEncoder encoder = new BCryptPasswordEncoder();
    String encodedPassword = encoder.encode(userDto.getPassword());
    User user = new User();
    user.setEmail(userDto.getEmail());
    user.setPassword(encodedPassword);
    user.setRoles("ROLE_STUDENT");
    userRepository.save(user);
}
```

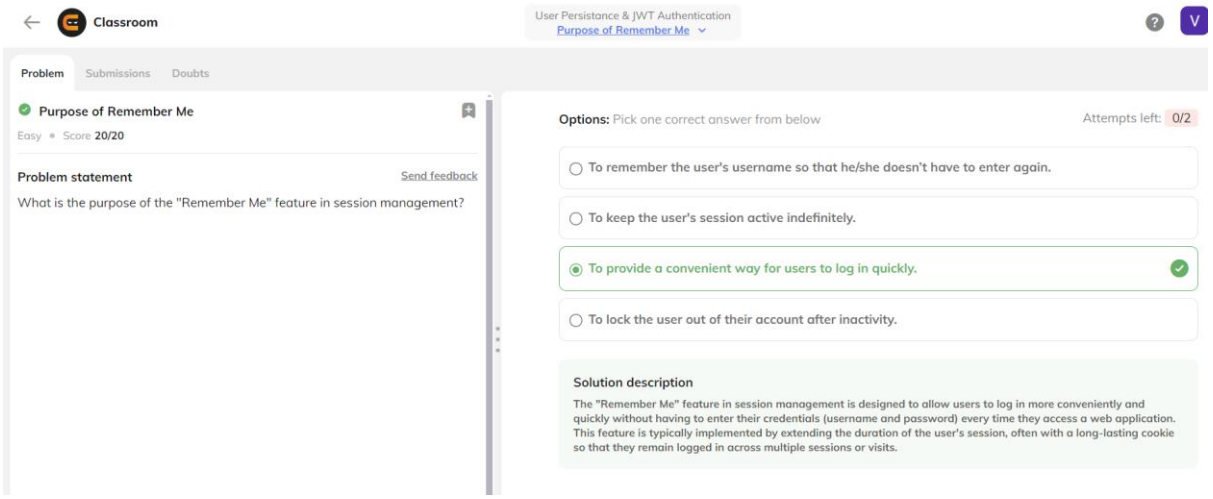
B)

```java
public void createStudent(UserDto userDto) {
    BCryptPasswordEncoder encoder = new BCryptPasswordEncoder();
    String encodedPassword = encoder.encode(userDto.getPassword());
    User user = new User();
    user.setEmail(userDto.getEmail());
    user.setPassword(encodedPassword);
    Role role = new Role();
    Set<Role> roles = new HashSet<>();
    role.setRoleName("ROLE_STUDENT");
    roles.add(role);
    user.setRoles(roles);
    userRepository.save(user);
}
```

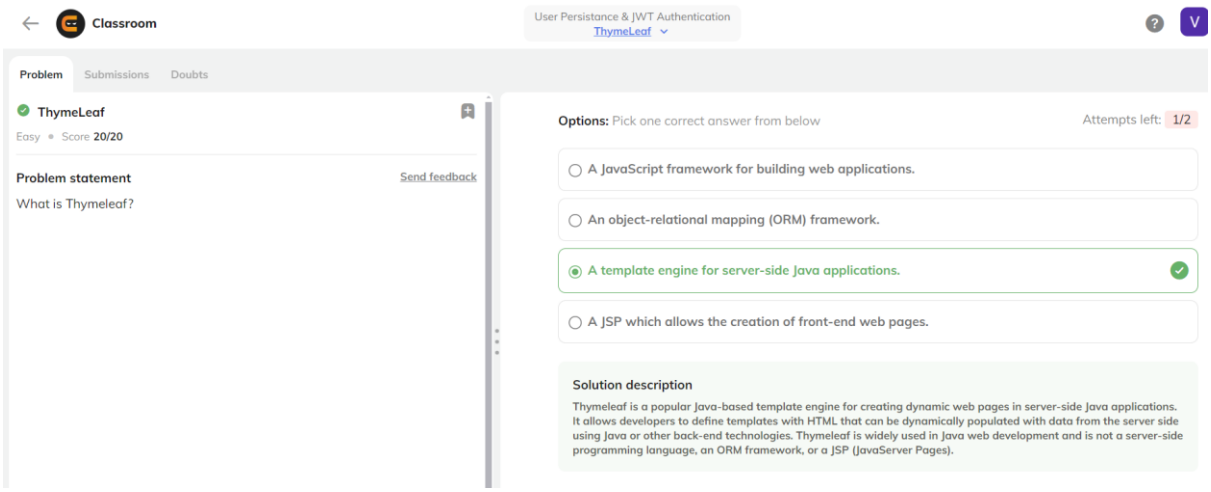
C)

```java
public void createStudent(UserDto userDto) {
    User user = new User();
    user.setEmail(userDto.getEmail());
    user.setPassword(userDto.getPassword());
    Role role = new Role();
    Set<Role> roles = new HashSet<>();
    role.setRoleName("ROLE_STUDENT");
    roles.add(role);
    user.setRoles(roles);
    userRepository.save(user);
}
```

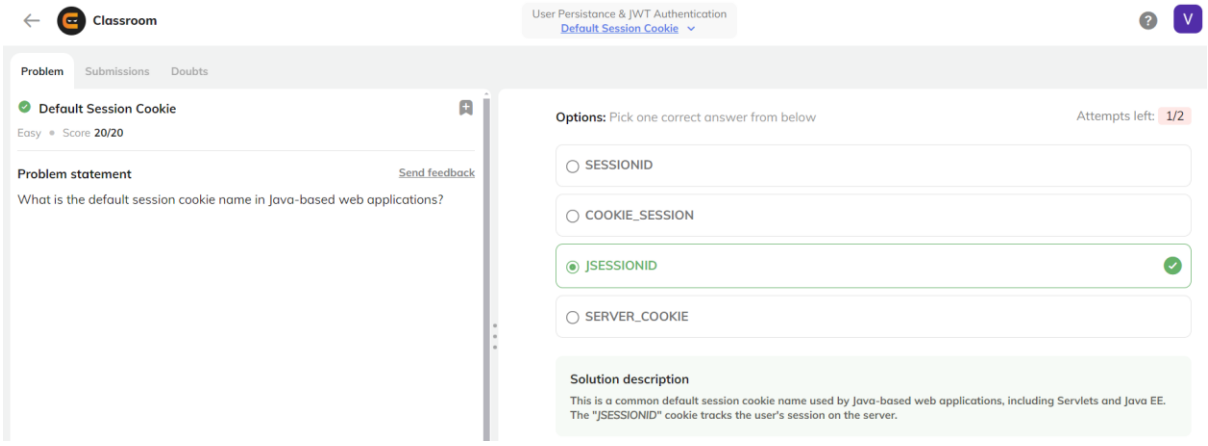
(5) Purpose of Remember Me



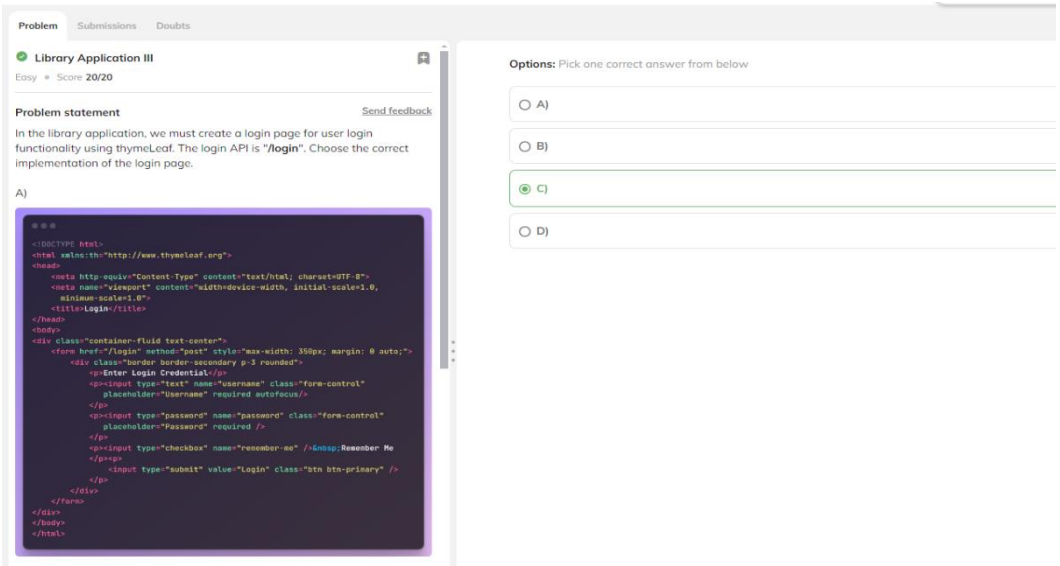
(6) ThymLeaf




(7) Default Session Cookie




(8) Library Application III



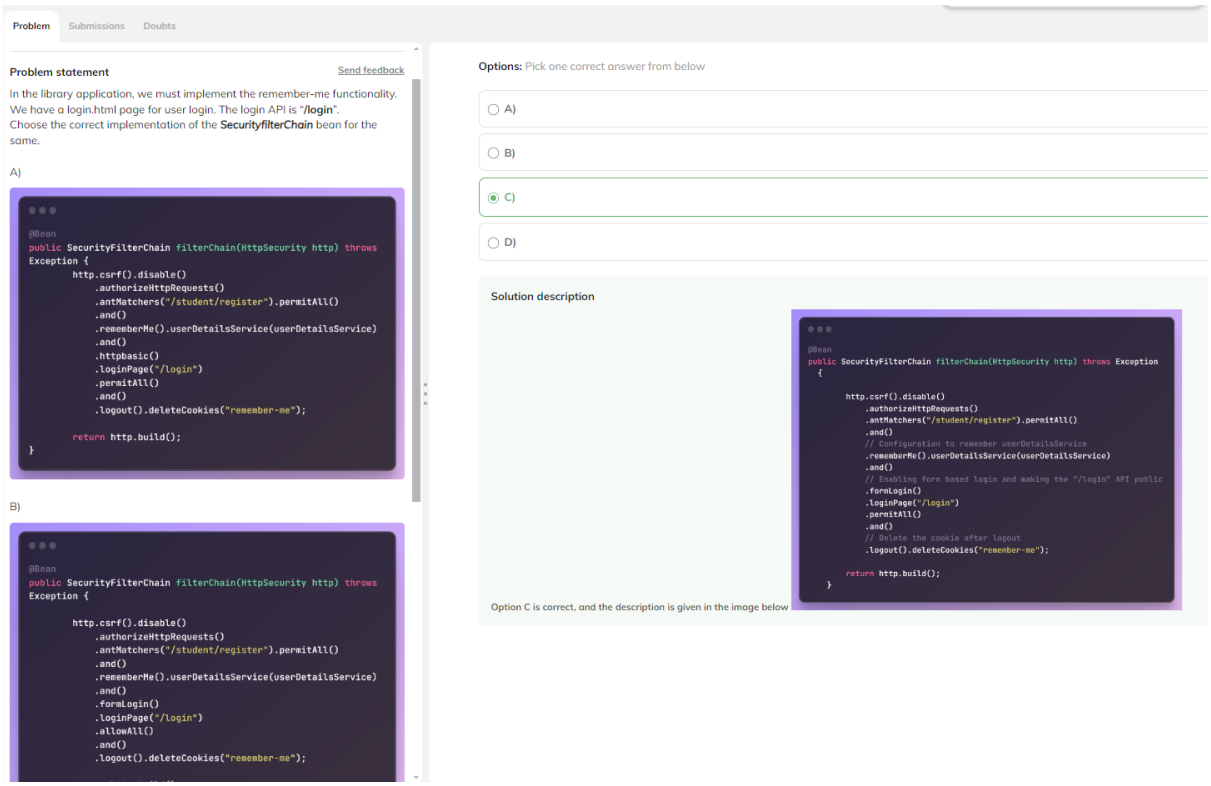
```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
       minimum-scale=1.0">
    <title>Login</title>
</head>
<body>
<div class="container-fluid text-center">
    <form th:action="@/login" method="post" style="max-width: 350px; margin: 0 auto;">
        <div class="border border-secondary p-3 rounded">
            <p>Enter Login Credential</p>
            <p><input type="text" name="username" class="form-control"
              placeholder="Username" required autofocus/>
            </p>
            <p><input type="password" name="password" class="form-control"
               placeholder="Password" required />
            </p>
            <p><input type="checkbox" name="remember-me" /> Remember Me
            </p>
            <p><input type="submit" value="Login" class="btn btn-primary" />
            </p>
        </div>
    </form>
</div>
</body>
</html>
```

C)

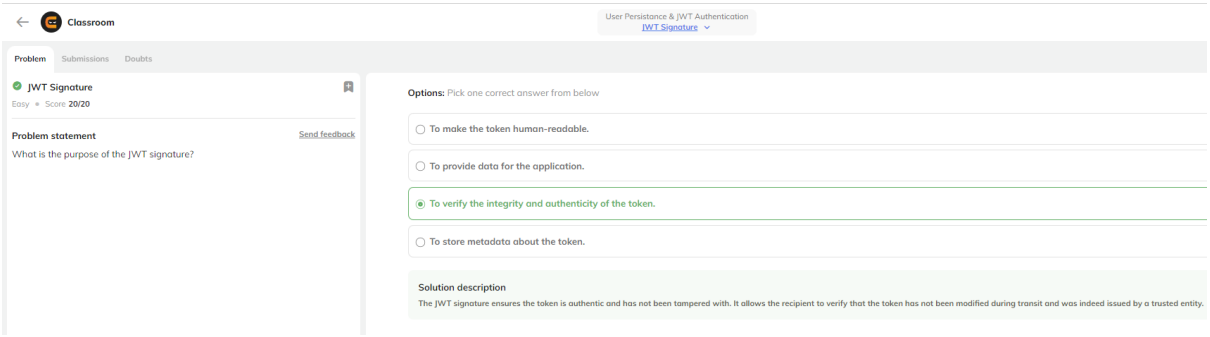
```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
      minimum-scale=1.0">
    <title>Login</title>
</head>
<body>
<div class="container-fluid text-center">
   <form th:action="@{/login}" method="post" style="max-width: 350px; margin: 0 auto;">
        <div class="border border-secondary p-3 rounded">
            <p>Enter Login Credential</p>
            <p><input type="text" name="username" class="form-control"
              placeholder="Username" required autofocus/>
            </p>
            <p><input type="password" name="password" class="form-control"
              placeholder="Password" required />
            </p>
            <p><input type="checkbox" name="remember-me" /> Remember Me
            </p>
            <p><input type="submit" value="Login" class="btn btn-primary" />
            </p>
        </div>
    </form>
</div>
</body>
</html>
```

D) None of the above

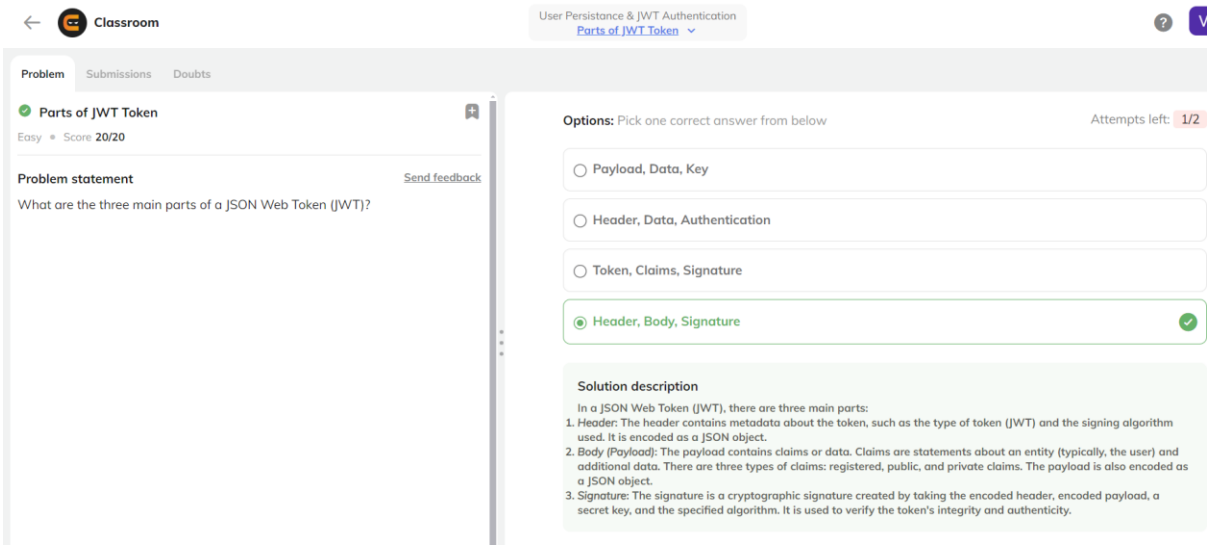
## (9) Library Application IV



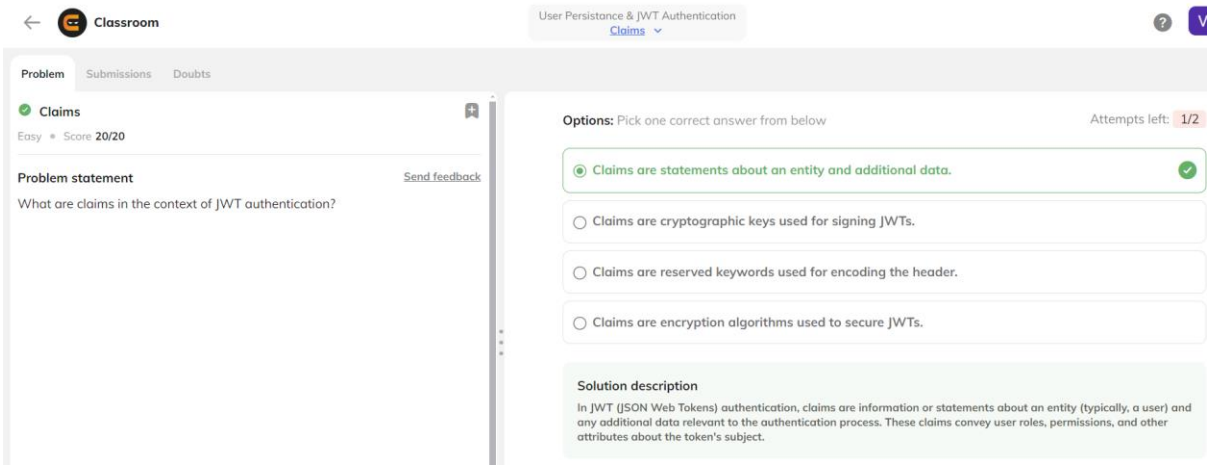
(10) JWT Signature



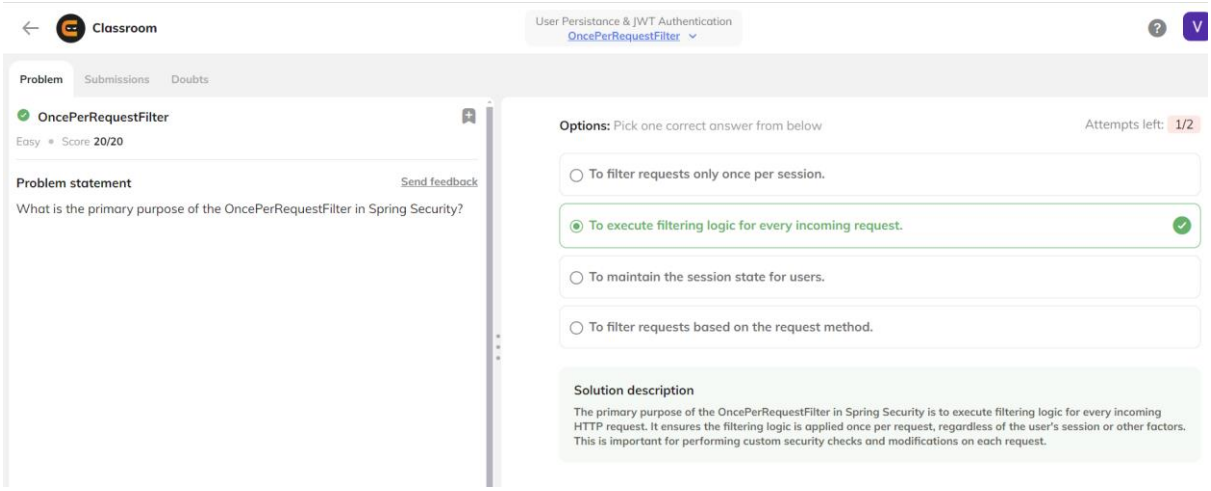

(11) Parts of JWT Token



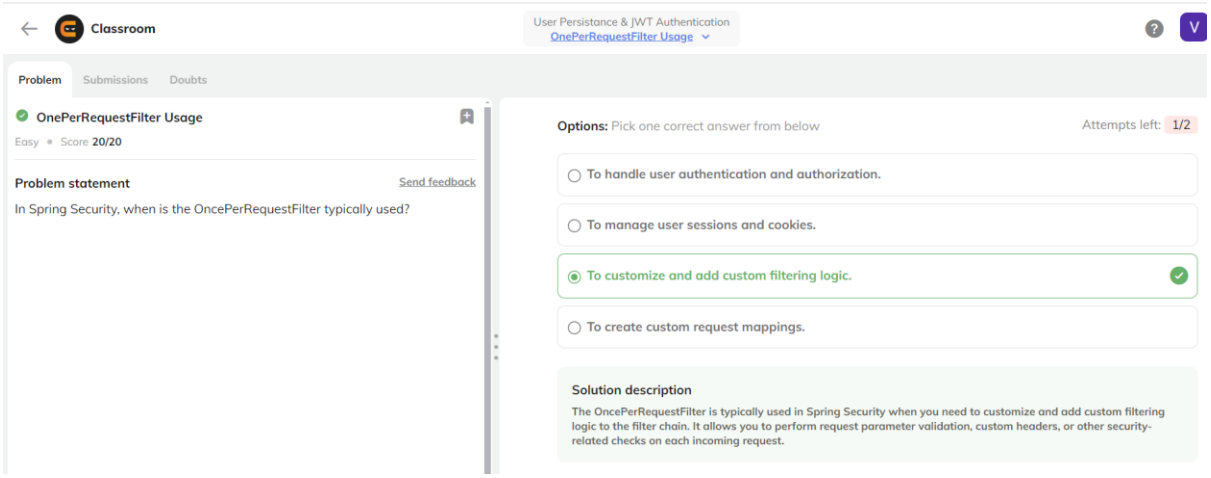

(12) Claims



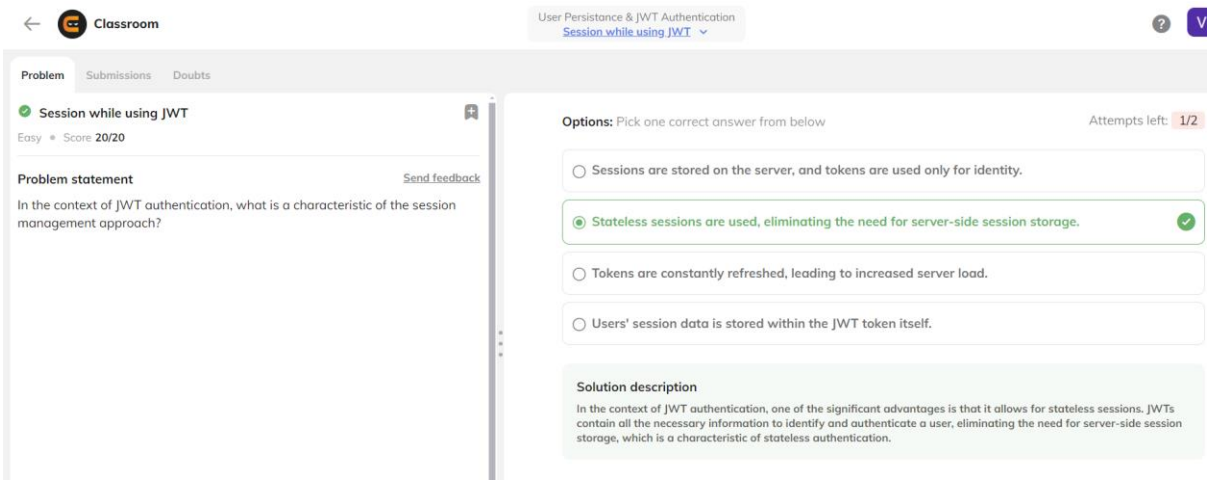
(13) Once Per Request Filter



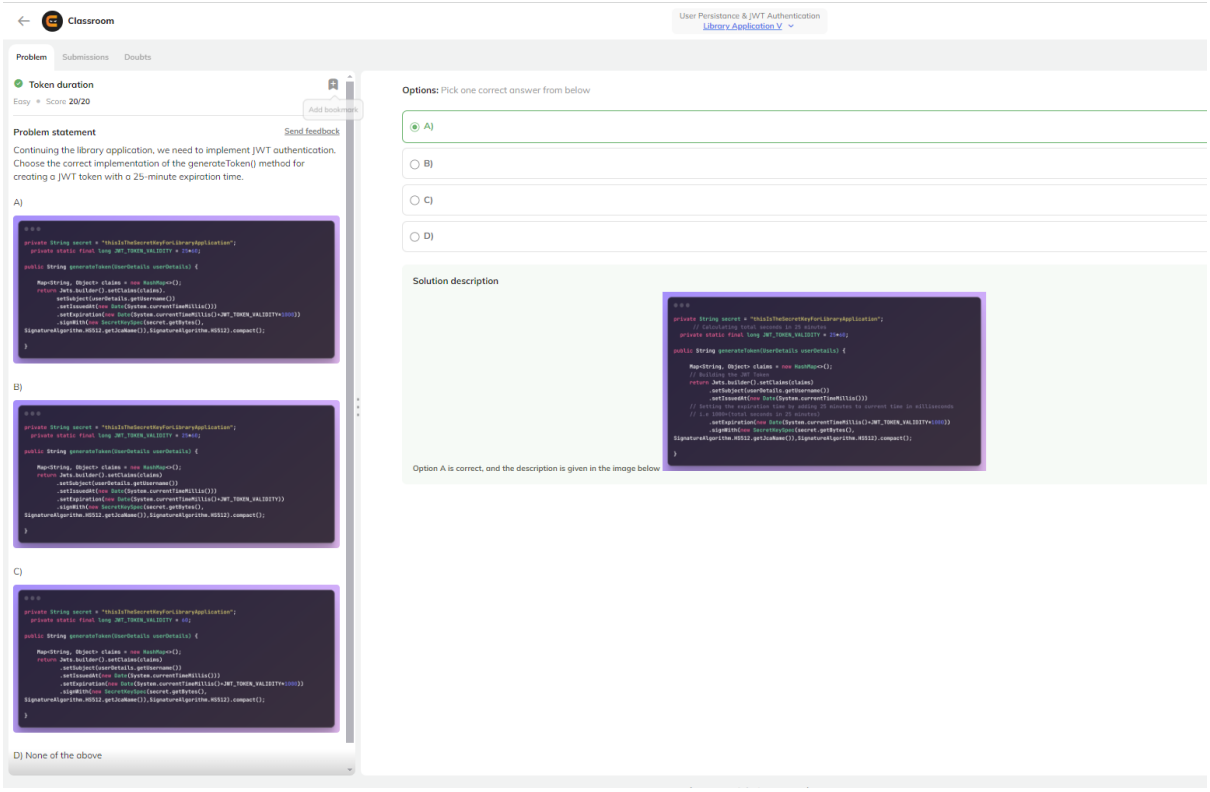

(14) Once Per Request Filter Usage




(15) Session While Using JWT



## (16) Token Duration




## (17) Library Application V