

Java Web Development Basics

Java EE Workshop – Servlets & JSP

MeTube v.3

MeTube is like YouTube, “ama ne bash” like an old Bulgarian Sage once said. You have been tasked to implement this application for literally no money, by the richest man on earth. There are several requirements you must follow in the implementation.

In this part you will extend the MeTube application by adding **Admin** functionality.

1. Database Requirements

Extend the **Database** of the application by adding:

UserRole

- Can be either "User" or "Admin".

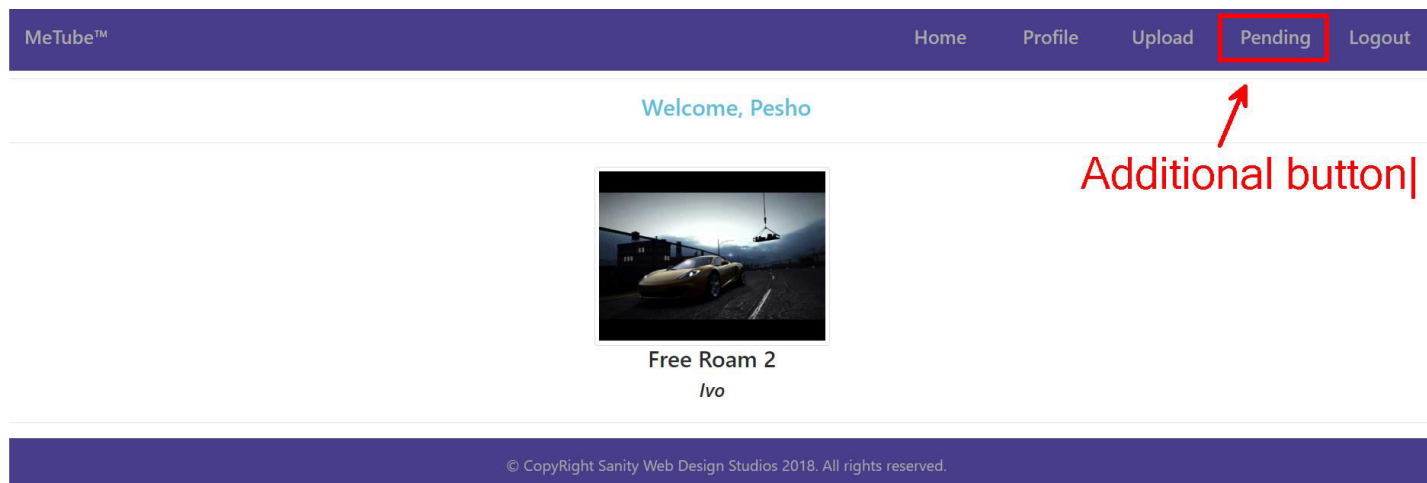
TubeStatus

- Can be either "Pending", "Approved" or "Declined".

Add a **UserRole** property to the **User** entity and a **TubeStatus** property to the **Tube** entity.

2. Templates

Admins have access to an **additional button** on their navbar.



That button redirects to the **Pending Tubes** page (url = `"/admin/tube/pending"`)

It should look like this:

Pending Tubes

#	Title	Author	Status	Actions
1	asd	Ivo	Approve Decline	Details

NOTE: All the templates have been given to you as **.html** files. You need to make **.jsp** files from them.

NOTE: The templates do **NOT** require additional CSS for you to write. Only **bootstrap** and the **given css** are enough.

Functional Requirements

The **first registered User** in the database should be given role – "**Admin**". All others should be regular Users.

Tubes are created with status – "**Pending**" by default. **Tubes** with status **Pending** can only be seen by an **Admin** on the **Pending Tubes** page or by a **User** on their **Profile page**. An Admin can **Approve** or **Decline** Tubes from the **Pending Tubes** page.

Approved Tubes are visualized on the **Index page**.

Declined Tubes can only be accessed by the **Uploader's Profile Page**.

Security Requirements

The **Security Requirements** are mainly access requirements. Configurations about which users can access specific functionalities and pages.

- **Guest** (not logged in) users can access **Index** page.
- **Guest** (not logged in) users can access **Login** page.
- **Guest** (not logged in) users can access **Register** page.
- **Users** (logged in) can access **Home** page.
- **Users** (logged in) can access **Profile** page.
- **Users** (logged in) can access **Upload** functionality.
- **Users** (logged in) can access **Details** functionality.
- **Users** (logged in) can access **Logout** functionality.
- **Admins** (logged in, with role – "**Admin**") can access the **Pending Tubes** functionality.
- **Admins** (logged in, with role – "**Admin**") can access the **Approve Tubes** functionality.
- **Admins** (logged in, with role – "**Admin**") can access the **Decline Tubes** functionality.