

BACKEND : Policy All Actions

K V Sagar

- First the Policy, User and Question entities are created.
- Then, for the dao layer an interface is created which extends the JpaRepository.
- The Repository created in the dao layer for the different entities is marked with the annotation @Repository.
- In the controller layer the repositories previously created for the entities are autowired.
- By autowiring the required Beans are automatically injected into our Bean.
- The status of the Policy is implemented by using an attribute called “approval” of the type Integer. The following are the different values it will contain for the different possible states:
 1. ‘0’ – Initial State, i.e. available to apply
 2. ‘3’ – Pending State, i.e. after a User applies for a Policy
 3. ‘1’ – Approved State
 4. ‘2’ – Disapproved State
- Policy related actions by Admin:
 1. Policy creation - Save option, a new entry is made
 2. View all policies – Displays all entries made using the findAll()
 3. Search for a Policy by ID – Returns a particular entry using findById()
 4. Update a policy – Existing entry is updated for the specified fields
 5. Delete a policy if not in use – Admin can delete a Policy if it is not in use
 6. Approve/Disapprove a Policy – Admin can decide to either approve/disapprove a Policy
- Policy related actions by the User:
 1. View all the available Policies – List all the properties present
 2. Apply for a Policy – The “approval” attribute is changed to 3 when a User applies for a Policy
 3. View User History – All Policies applied by a User whether in approved, disapproved or in pending state will be shown to the User.