TRMS

Title: TRMS Web App Objects

Project: TRMS – Project 1

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## WEB APP OBJECTS

### Types

1. Request Attribute
2. Session Attribute
3. GET Parameter
4. POST Parameter

### List of Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Name | Values | Description |
| Request Attribute | loginError | boolean: true | false | Indicates incorrect username OR password during login. Exists only after failed attempt. Checked for in login.jsp to display error message. |
| Session Attribute | user | Object (Employee) | Represents the current employee logged into the system. |
|  | reimbursement | Object (Reimbursement) | Identifies the reimbursement that’s being approved OR denied by the employee identified by session attribute ‘user’. |
| GET Parameter | id | Int (Reimbursement.id) | The reimbursement that is being viewed. Used when a user is viewing their own personal reimbursements and also when a ‘manager’ is viewing reimbursements they can approve/deny. |
| POST Parameter | username | String | The username input by the user to login. |
|  | Password | String | The password input by the user to login. |
|  | employeeId | Int (Employee.id) | Holds the employee’s id applying for a new reimbursement application so the application can be tied to the employee. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | eventType | Int | Holds the type of the event for which the employee is seeking reimbursement. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | gradeFormat | Int | Holds the reimbursement’s grading format. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | location | String | Holds the event’s location. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | cost | Double | Holds the event’s total cost to the employee. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | startDate | String | Holds the event’s starting day. Must be combined with startTime in order to form a Timestamp to store as a Date. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | startTime | String | Holds the event’s starting time. Must be combined with startDate in order to form a Timestamp to store as a Date. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | endDate | String | Holds the event’s ending day. Must be combined with endTime in order to form a Timestamp to store as a Date. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | endTime | String | Holds the event’s ending time. Must be combined with endDate in order to form a Timestamp to store as a Date. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | description | String | Describes the event. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | justification | String | Justifies the employee’s taking of the event by relating it to work functions. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | worktimeToBeMissed | String | Describes how time at work will be impacted by the event for which the employee is seeking reimbursement. Declared in the form in application.jsp; accessed in SubmitReimbursement servlet. |
|  | approve | String | Indicates a reimbursement should be approved. Either this or parameter ‘deny’ should be set. |
|  | deny | String | Indicates a reimbursement should be denied. Either this or parameter ‘approve’ should be set. |
|  | adder | Int (Employee.id) | Identifies the approver OR denier of the reimbursement. |
|  | reason | String | Holds the reason for the approval OR denial of the reimbursement. |
|  | currentPassword | String | Holds the password input by the user while changing account details. Should match the user’s current password. |
|  | newPassword | String | Holds the new password input by the user while changing account details. Will be the user’s new password. |
|  | newFirstName | String | Holds the new first name input by the user while changing account details. Will be the user’s new first name. |
|  | newLastName | String | Holds the new last name input by the user while changing account details. Will be the user’s new last name. |
|  | grade | String | The grade the employee stated they earned for the event they took for the reimbursement they are seeking. |
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