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Spring Boot 9AM
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JQuery Validations

JQuery Script Plugin:-

```
<script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
```

*) For Every input add id="" attribute

```
<input type="text" name="empName" id="empName" />
```

*) Define Error Section (where to display error message)

For every error section , provide id="".

```
<span id="empNameError"></span>
```

*) Define JQuery code at bottom of page(after loding DOM elements)

```
<script type="text/javascript">
```

```
$(document).ready(function(){
```

```
    alert("HELLO");
```

```
});
```

```
</script>
```

*) inside script tag.

Hide Error Section

Define Error vaiable

Define validate Function

Link Function with Action Event

Call all functions on submit

JQuery:

<https://www.w3schools.com/jquery/>

*) To select any tag/input use symbol # indicates id

```
<input type="" name="" id="abc" />
```

```
select      :  $("#abc")
```

```
Read Data :  $("#abc").val();
```

```
Write Data:  $("#abc").val('hello data');
```

*) Action-Events

keyup() : When we press any key from keyboard and leave then this event is fired(executed)

change() : when we modify dropdown/radio button/checkbox then this event is executed.

*) test() : this is used to validate one regExp with input if matches return true else false.

*) html() : Write data to any non-Form input , like <div>, <p> ...etc

*) css() : add any css attribute to selector color,font, border,

padding..etc

--RegExp---

+ min=1, max=n

* min=0, max=n

? min=0,max=1

{x,y} min=x, max=y

[] = allowed chars

\s = space chars

\. = dot is allowed

expression=/^ _____ \$/;

---EmployeeRegister.html-----

<!DOCTYPE html>

<html xmlns:th="https://www.thymeleaf.org/">

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

<link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" />

<script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>

<script

src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>

<script

src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

</head>

<body>

<!-- Menubar start -->

<nav class="navbar navbar-expand-lg navbar-light bg-info">

EMPLOYEE APP

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

</button>

<div class="collapse navbar-collapse" id="navbarSupportedContent">

<ul class="navbar-nav mr-auto">

<li class="nav-item">

<a class="nav-link text-white"

th:href="@{/employee/register}">REGISTER

<li class="nav-item">

VIEW ALL

```

        </li>
    </ul>
</div>
</nav>

<!-- Menubar end -->

    <div class="container">

        <div class="card">
            <div class="card-header bg-primary text-white
text-center">
                <h2>EMPLOYEE REGISTER PAGE</h2>
            </div>

            <div class="card-body">
                <!-- <a th:href="@{/employee/all}"
class="btn btn-info"> >> VIEW ALL >> </a> -->
                <form id="empForm"
th:action="@{/employee/save}" method="POST">

                    <div class="row">
                        <div class="col-3">

<label>NAME</label>

                                </div>
                                <div class="col-4">
                                    <input
type="text" name="empName" id="empName" class="form-control" />
                                </div>
                                <div class="col-5">
                                    <span
id="empNameError"></span>

                                </div>
                            </div>
                        </div>

                        <div class="row">
                            <div class="col-3">

<label>SALARY</label>

                                    </div>
                                    <div class="col-4">
                                        <input
type="text" name="empSal" id="empSal" class="form-control"/>
                                    </div>
                                    <div class="col-5">
                                        <span
id="empSalError"></span>

                                    </div>
                                </div>
                            </div>

                        <div class="row">
                            <div class="col-3">

<label>DEPARTMENT</label>

```

```

</div>
<div class="col-4">
    <select
name="empDept" id="empDept" class="form-control">
<option value="">-SELECT-</option>
<option value="DEV">DEV</option>
<option value="QA">QA</option>
<option value="BA">BA</option>
<option value="MS">MS</option>
    </select>
</div>
<div class="col-5">
    <span
id="empDeptError"></span>
    </div>
</div>

<div class="row">
    <div class="col-3">

<label>ADDRESS</label>

    </div>
    <div class="col-4">
        <textarea
name="empAddr" id="empAddr" class="form-control"></textarea>
    </div>
    <div class="col-5">
        <span
id="empAddrError"></span>
    </div>
</div>
</div>
<input type="submit"
value="Add Employee" class="btn btn-success"/>
</form>
</div>

<div th:if="{message!=null}" class="card-
footer bg-info text-white">
    <span th:text="{message}"></span>
</div>
</div>
<!-- card end -->

</div>
<!-- container End -->
<script type="text/javascript">
$(document).ready(function(){
    //1. hide error section
    $("#empNameError").hide();
    $("#empSalError").hide();
    $("#empDeptError").hide();
    $("#empAddrError").hide();

```

```

//2. define error variable
var empNameError = false;
var empSalError = false;
var empDeptError = false;
var empAddrError = false;

//3. define validate function
function validate_empName() {
    var val = $("#empName").val();
    var exp = /^[A-Z]{2,6}$/;
    if(val=='') {
        $("#empNameError").show();
        $("#empNameError").html("Please Enter
<b>Employee Name</b>")
        $("#empNameError").css('color','red');
        empNameError = false; //error
    } else if(!exp.test(val)) {
        $("#empNameError").show();
        $("#empNameError").html("<b>Name can be 2 to 4
chars </b>")
        $("#empNameError").css('color','red');
        empNameError = false; //error
    } else {
        $("#empNameError").hide();
        empNameError = true; //no error
    }

    return empNameError;
}

function validate_empSal() {
    var val = $("#empSal").val();
    var exp = /^[1-9]+[0-9]*(\.[0-9]+)?$/;
    if(val == '') {
        $("#empSalError").show();
        $("#empSalError").html("Please Enter
<b>Employee Salary</b>");
        $("#empSalError").css('color','red');
        empSalError = false;
    } else if(!exp.test(val)) {
        $("#empSalError").show();
        $("#empSalError").html("<b>Employee Salary</b>
Not a valid number");
        $("#empSalError").css('color','red');
        empSalError = false;
    } else {
        $("#empSalError").hide();
        empSalError = true;
    }

    return empSalError;
}

function validate_empDept() {
    var val = $("#empDept").val();
    if(val=='') {
        $("#empDeptError").show();

```

```

        $("#empDeptError").html("Please Choose
<b>Department</b>");
        $("#empDeptError").css('color','red');
        empDeptError = false; //error
    } else {
        $("#empDeptError").hide();
        empDeptError = true; //no error
    }

    return empDeptError;
}

function validate_empAddr() {
    var val = $("#empAddr").val();
    var exp = /^[A-Za-z0-9\s\.\-\_\,\#\]{10,250}$/;
    if(val == '') {
        $("#empAddrError").show();
        $("#empAddrError").html("Please Enter
<b>Employee Address</b>");
        $("#empAddrError").css('color','red');
        empAddrError = false;
    } else if(!exp.test(val)) {
        $("#empAddrError").show();
        $("#empAddrError").html("<b>Min 10 and Max 250
Chars only</b>");
        $("#empAddrError").css('color','red');
        empAddrError = false;
    } else {
        $("#empAddrError").hide();
        empAddrError = true;
    }
    return empAddrError;
}

//4. Link with Action Event
$("#empName").keyup(function(){
    var vals = $(this).val();
    $(this).val(vals.toUpperCase());
    validate_empName();
});

$("#empSal").keyup(function(){
    validate_empSal();
});

$("#empDept").change(function(){
    validate_empDept();
});

$("#empAddr").keyup(function(){
    validate_empAddr();
});

//5. on submit-validate all functions
$("#empForm").submit(function(){
    validate_empName();
    validate_empSal();

```

```
        validate_empDept();
        validate_empAddr();

        if(empNameError && empSalError
            && empDeptError
            && empAddrError)
            return true; //submit form
        else return false; //dont submit
    })
});
</script>
</body>
</html>
-----
```