

Shell Foundation – Final Case Study Document

AKANKSHA GOEL

GitHub Repository Link: [Akankshagoel-06/shell_casestudy \(github.com\)](https://github.com/Akankshagoel-06/shell_casestudy)

Website (OrangeHRM) : [OrangeHRM \(orangehrmlive.com\)](https://orangehrmlive.com)

Objective: To test the concepts of SDLC, Agile, Software Testing, DBMS and CI/CD pipeline.

SDLC, Agile and Software Testing

Creation of Azure VM

Step 1: Login to azure and click on create Azure VM

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The main content area is titled 'Virtual machines' and shows a list of VMs. A sidebar on the left provides navigation options for creating and managing VMs. The table below lists the details of several VMs.

Name	Resource group	Location	Status	Operating system	Size	Public IP address
Rakshita2712	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	138.91.104
Shell-Sudiksha	RDBG	West US 2	Stopped (deallocated)	Windows	Standard_B2s	20.115.216
Sriyavmuser	RDBG	West US 2	Stopped (deallocated)	Windows	Standard_B2s	20.115.216
Tanishauser	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	172.178.74

Step 2: Set project details as shown below

This screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Project details' step. The interface includes a top navigation bar with the Azure logo, a search bar, and user information. The main content area is titled 'Create a virtual machine' and features three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Project details' section contains two dropdown menus: 'Subscription' and 'Resource group', both set to 'RDBG'. Below these, the 'Instance details' section includes fields for 'Virtual machine name' (AkankshaVM), 'Region' ((US) East US), 'Availability options' (Availability zone), and 'Zone options' (Self-selected zone). A sidebar on the right displays the 'Estimated monthly cost' as ₹4,166.22 / month. At the bottom, there are navigation buttons: '< Previous', 'Next : Disks >', and 'Review + create'. The Windows taskbar at the bottom shows the system clock as 9:26 AM on 9/6/2024.

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * RDBG

Resource group * RDBG

Instance details

Virtual machine name * AkankshaVM

Region * (US) East US

Availability options Availability zone

Zone options Self-selected zone

Estimated monthly cost ₹4,166.22 / month

View cost details

< Previous Next : Disks > Review + create Give feedback

This screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Project details' step. The interface includes a top navigation bar with the Azure logo, a search bar, and user information. The main content area is titled 'Create a virtual machine' and features three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. A warning message at the top states: 'Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.' The 'Availability zone' dropdown is set to 'Zone 1', with a note indicating that multiple zones can be selected. The 'Security type' dropdown is set to 'Standard'. The 'Image' dropdown is set to 'Windows 10 Pro, version 22H2 - x64 Gen2'. The 'VM architecture' dropdown is set to 'x64'. A sidebar on the right displays the 'Estimated monthly cost' as ₹4,166.22 / month. At the bottom, there are navigation buttons: '< Previous', 'Next : Disks >', and 'Review + create'. The Windows taskbar at the bottom shows the system clock as 9:31 AM on 9/6/2024.

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a virtual machine

Warning: Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Availability zone * Zone 1

You can now select multiple zones. Selecting multiple zones will create one VM per zone. Learn more

Security type Standard

Image * Windows 10 Pro, version 22H2 - x64 Gen2

This image is compatible with additional security features. Click here to swap to the Trusted launch security type.

VM architecture x64

Estimated monthly cost ₹4,166.22 / month

View cost details

< Previous Next : Disks > Review + create Give feedback

Step 3: Enter the username and password for the VM

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal. The user is at Step 3, 'Enter the username and password for the VM'. The wizard is titled 'Create a virtual machine' and has three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Size' dropdown is set to 'Standard_B2s - 2 vcpus, 4 GiB memory (₹2,526.46/month)'. The 'Estimated monthly cost' is ₹4,166.22 / month. The 'Administrator account' section shows the 'Username' as 'vmuser' and the 'Password' and 'Confirm password' fields are filled with asterisks. The 'Enable Hibernation' checkbox is unchecked. The 'Review + create' button is visible at the bottom.

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

shuser2@ravinssofttech...
RAVINSOFTTECH (RAVINSOFTTE...)

Home >

Create a virtual machine

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload

Size * ⓘ Standard_B2s - 2 vcpus, 4 GiB memory (₹2,526.46/month)
[See all sizes](#)

Item(s) availability based on policy assignment(s) for the selected scope.
Allowed virtual machine size SKUs ([Policy details](#))

Enable Hibernation ⓘ ☐

Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. [Learn more](#)

Administrator account

Username * ⓘ vmuser ✓

Password * ✓

Confirm password * ✓

< Previous | Next : Disks > | Review + create

Give feedback

73°F Cloudy

Search

9:27 AM 9/6/2024

Step 4: Select all inbound ports

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, Step 4: 'Select all inbound ports'. The user is at Step 4, 'Select all inbound ports'. The wizard is titled 'Create a virtual machine' and has three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Public inbound ports' section shows the 'None' radio button is selected, and the 'Allow selected ports' radio button is selected. The 'Select inbound ports' dropdown is set to 'HTTP (80), HTTPS (443), SSH (22), RDP (3389)'. The 'Estimated monthly cost' is ₹4,166.22 / month. The 'Licensing' section shows the checkbox 'I confirm I have an eligible Windows 10/11 license with multi-tenant hosting rights' is checked. The 'Review + create' button is visible at the bottom.

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

shuser2@ravinssofttech...
RAVINSOFTTECH (RAVINSOFTTE...)

Home >

Create a virtual machine

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports * ⓘ

☐ None

☒ Allow selected ports

Select inbound ports * HTTP (80), HTTPS (443), SSH (22), RDP (3389)

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

Licensing

☒ I confirm I have an eligible Windows 10/11 license with multi-tenant hosting rights.

< Previous | Next : Disks > | Review + create

Give feedback

73°F Cloudy

Search

9:27 AM 9/6/2024

Step 5: Go to Next:Disks and configure OS disk type as shown below

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

OS disk

OS disk size Image default (127 GiB)

OS disk type * Standard HDD (locally-redundant storage)

The selected VM size supports premium disks. We recommend Premium SSD for high IOPS workloads. Virtual machines with Premium SSD disks qualify for the 99.9% connectivity SLA.

Delete with VM ☒

Key management Platform-managed key

Enable Ultra Disk compatibility ☐

Data disks for AkankshaVM

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

Estimated monthly cost ₹3,016.31 / month

View cost details

< Previous Next: Networking > Review + create

Give feedback

73°F Cloudy Search 9:29 AM 9/6/2024

Step 6: Click on Next: Networking and configure as shown below

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks **Networking** Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * (new) AkankshaVM

Create new

Subnet * (new) default (10.7.0.0/24)

Public IP (new) AkankshaVM-ip

Create new

NIC network security group None

Estimated monthly cost ₹3,985.52 / month

View cost details

< Previous Next: Management > Review + create

Give feedback

73°F Cloudy Search 9:33 AM 9/6/2024

Step 7: Click on Review+Create to Validate the configuration.

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal. The 'Review + create' tab is selected. The page displays the estimated monthly cost as ₹3,985.52 / month. The configuration includes public inbound ports for HTTP (80), HTTPS (443), SSH (22), and RDP (3389). A warning message states: 'This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.' The 'Delete public IP and NIC when VM is deleted' checkbox is checked. The 'Enable accelerated networking' checkbox is unchecked, with a note: 'The selected VM size does not support accelerated networking.' The bottom navigation bar shows '< Previous', 'Next: Management >', and 'Review + create'.

Microsoft Azure Search resources, services, and docs (G+/) Copilot shuser2@ravinssofttech... RAVINSOFTTECH (RAVINSOFTTECH...)

Home > Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Public inbound ports * ☐ None ☒ Allow selected ports

Select inbound ports * HTTP (80), HTTPS (443), SSH (22), RDP (3389)

Warning: This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete public IP and NIC when VM is deleted ☒

Enable accelerated networking ☐ The selected VM size does not support accelerated networking.

Estimated monthly cost ₹3,985.52 / month View cost details

< Previous Next: Management > Review + create Give feedback

73°F Cloudy Search 9:34 AM 9/6/2024

Step 8: Click on Create after validation passes.

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, with the 'Review + create' tab selected. A green banner at the top indicates 'Validation passed'. The estimated monthly cost is ₹4,986.52 / month. The configuration includes 1 X Standard B2s by Microsoft. The price is 3.4609 INR/hr. The 'Create' button is visible at the bottom. The bottom navigation bar shows '< Previous', 'Next >', and 'Create'.

Microsoft Azure Search resources, services, and docs (G+/) Copilot shuser2@ravinssofttech... RAVINSOFTTECH (RAVINSOFTTECH...)

Home > Create a virtual machine

Validation passed

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Price

1 X Standard B2s by Microsoft Terms of use | Privacy policy

Subscription credits apply ☐ 3.4609 INR/hr Pricing for other VM sizes

Estimated monthly cost ₹4,986.52 / month View cost details

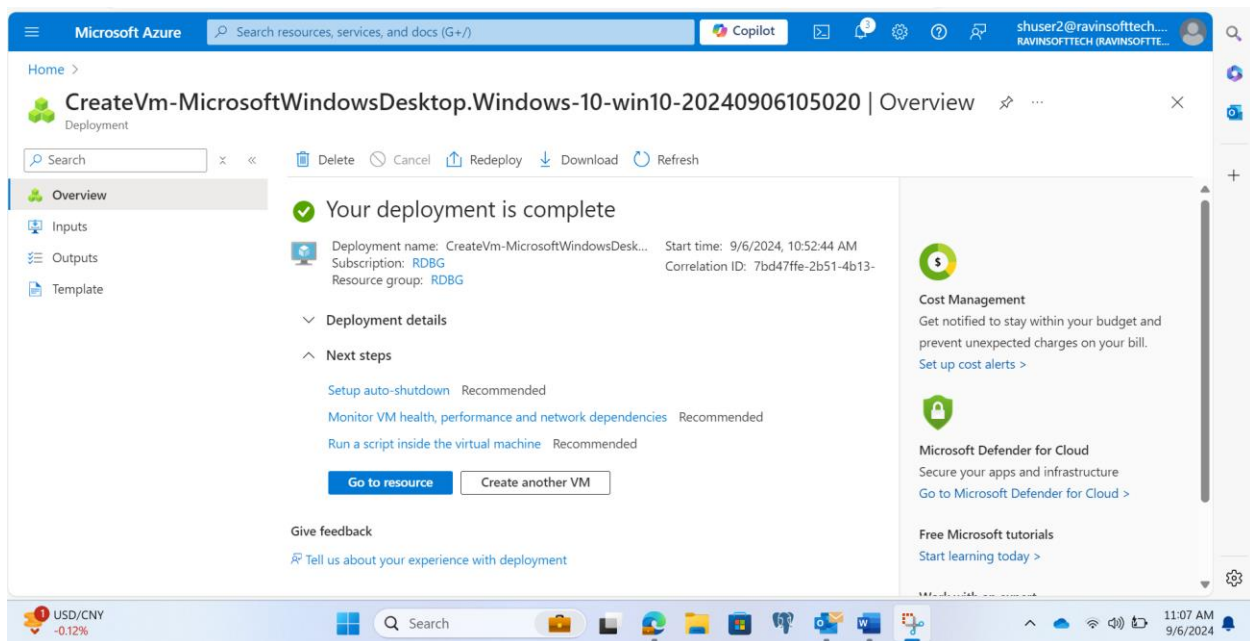
TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional

< Previous Next > Create Download a template for automation Give feedback

76°F Mostly cloudy Search 10:47 AM 9/6/2024

Step 9: VM is deployed successfully.



USER Stories, Test Cases & Defect Reports Implementation

US_001: Admin Dashboard Functionality

Title: Admin Dashboard Functionality

As a System Administrator, I want to access a comprehensive dashboard, so that I can: Monitor and manage key HR metrics and activities efficiently

Acceptance Criteria:

- **Dashboard Access:** Given that I am logged in as an admin, when I navigate to the dashboard, then I should see a summary of key HR metrics and activities.
- **Key Metrics Display:** Given that I am on the dashboard, when the page loads, then I should see widgets displaying metrics such as employee count, leave requests, attendance records, and upcoming events.
- **Interactive Widgets:** given that I am viewing the dashboard, when I click on a widget, then I should be redirected to a detailed view of the respective metric (e.g., clicking on leave requests should take me to the leave management page).

Priority: 2

Effort: 6

ISSUE 23*

23 Admin Dashboard functionality

Unassigned

0 comments

Add tag

Save & Close

Follow

State

To Do

Area

Orange HRM Case study

Reason

Added to backl...

Iteration

Orange HRM Case study\Sprint 1

Updated by Aranyaa Khatawate: Just now

Details

Description

As a System Administrator, I want to access a comprehensive dashboard, so that I can: Monitor and manage key HR metrics and activities efficiently

Acceptance Criteria:

- Dashboard Access:** Given that I am logged in as an admin, when I navigate to the dashboard, then I should see a summary of key HR metrics and activities.
- Key Metrics Display:** Given that I am on the dashboard, when the page loads, then I should see widgets displaying metrics such as employee count, leave requests, attendance records, and upcoming events.
- Interactive Widgets:** given that I am viewing the dashboard, when I click on a widget, then I should be redirected to a detailed

Planning

Priority

2

Effort

6

Deployment

Development

+ Add link

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

+ Add link

Add an existing work item as a parent

23 Admin Dashboard functionality

Unassigned

State To Do

24 To validate if the admin can access the dashboard.

Unassigned

State To Do

25 to validate if key HR metrics are displayed on the dashboard.

Unassigned

State Doing

26 To validate if clicking on the time at work widget redirects to the detailed view

Unassigned

State Done

28 To validate if the admin can customize Employee distribution by sub unit

Unassigned

State Doing

27 To validate if clicking on the Employees on leave today setting icon widget pops

Unassigned

State Done

TC_001

Description: To validate if the admin can access the dashboard.

Given the admin is logged in to the website [OrangeHRM \(orangehrmlive.com\)](https://opensource-demo.orangehrmlive.com/) using the valid username "Admin" and valid password "admin123".

When the admin clicks on the "Dashboard" tab.

Then the admin should be navigated to the dashboard page displaying key HR metrics and activities.

URL: <https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index>

S. No.	Username	Password	Page accessibility (Pass/Fail)	
			Actual	Expected

1	Admin	admin123	Pass	Pass
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TC_002

Description: To validate if key HR metrics are displayed on the dashboard.

Given the admin is logged in to the website [OrangeHRM \(orangehrmlive.com\)](https://opensource-demo.orangehrmlive.com/) using the valid username "Admin" and valid password "admin123".

When the admin navigates to the dashboard page.

Then the dashboard should display widgets for Time at work, Quick Launch, Buzz latest posts, My actions, Employees on leave today, Employee Distribution by Sub Unit, Employee Distribution by Location

URL: <https://opensource-demo.orangehrmlive.com/web/index.php/dashboard>

S. No.	Dashboard Widget	Widget Displaying (Pass/Fail)	
		Actual	Expected
1	Time at work	Pass	Pass
2	Quick Launch	Pass	Pass
3	Buzz latest posts	Pass	Pass
4	My actions	Pass	Pass
5	Employees on leave today	Pass	Pass
6	Employee Distribution by Sub Unit	Pass	Pass
7	Employee Distribution by location	Pass	Pass

TC_003

Description: To validate if clicking on the time at work widget redirects to the detailed view of the respective metric.

Given the admin is logged in to the website [OrangeHRM \(orangehrmlive.com\)](https://opensource-demo.orangehrmlive.com/) using the valid username "Admin" and valid password "admin123".

When the admin clicks on the "Time at work" widget clock icon on the dashboard.

Then the admin should be redirected to the "Punch In" page

URL: <https://opensource-demo.orangehrmlive.com/web/index.php/attendance/punchIn>

S. No.	Dashboard Widget	Clicking on clock icon redirects (Pass/Fail)	
		Actual	Expected
1	Time at work	Pass	Pass

TC_004

Description: To validate if clicking on the Employees on leave today setting icon widget pops up a sub menu

Given the admin is logged in to the website [OrangeHRM \(orangehrmlive.com\)](http://OrangeHRM (orangehrmlive.com)) using the valid username "Admin" and valid password "admin123".

When the admin clicks on the setting icon of the Employees on leave today widget

Then a pop up should appear

S. No.	Dashboard Widget	Clicking on settings icon pops up a sub menu(Pass/Fail)	
		Actual	Expected
1	Employees on leave today	Pass	Pass

TC_005

Description: To validate if the admin can customize Employee distribution by sub unit widget

Given the admin is logged in to the website [OrangeHRM \(orangehrmlive.com\)](http://OrangeHRM (orangehrmlive.com)) using the valid username "Admin" and valid password

When the admin chooses to customize the dashboard layout of the Employee distribution by sub unit by clicking on the labels below the pie chart

Then the dashboard layout should be customizable according to the admin's preferences.

S. No.	Dashboard Widget	Clicking on labels modifies the pie chart(Pass/Fail)
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		Actual	Expected
1	Employee distribution by sub unit	Pass	Pass

US_002: Candidate Functionality in Recruitment

Description: As a user when I go to Candidates option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete candidates.

Acceptance Criteria: When user goes to the Candidate option in Recruitment, the system should

- Allow the user to search for existing candidates
- Allow the user to add a candidate
- Allow user to view details of existing candidates
- Allow user to delete candidates

Priority: 2

Effort: 4

NEW ISSUE *

Candidate

Unassigned
0 comments
Add tag
Save

State: To Do
Area: Orange HRM Case study
Reason: Added to back...
Itegation: Orange HRM Case study

Details

Description

As a user when I go to Candidates option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete candidates.

Acceptance Criteria: When user goes to the Candidate option in Recruitment, the system should

- Allow the user to search for existing candidates
- Allow the user to add a candidate
- Allow user to view details of existing candidates
- Allow user to delete candidates

Planning

Priority: 2

Effort: 4

Deployment

Development

+ Add link

TC_001

Description: To validate the search functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user enters search criteria in the search field

And clicks the "Search" button

Then the system should display a list of candidates matching the search criteria

TC_002

Description: To validate the add functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user clicks the "Add" button, fills in the candidate details

And clicks the "Save" button

Then the system should display a confirmation message

And the new candidate should appear in the list of candidates

TC_003

Description: To validate the view functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user clicks on the view icon for a candidate

Then the system should display the candidate's details

TC_004

Description: To validate the edit functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently viewing a candidate's details

When the user clicks the view icon, toggles the edit button, updates the candidate's details

And clicks the "Save" button

Then the system should display a confirmation message

And the updated details should be reflected in the candidate's profile

TC_005

Description: To validate the delete functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user clicks the "Delete" button for a candidate

And confirms the deletion

Then the system should display a confirmation message

And the candidate should be removed from the list of candidates

US_003: Vacancy for Recruitment

As a user when I go to Vacancies option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete vacancies.

Acceptance Criteria: When user goes to the Vacancies option in Recruitment, the system should

- Allow the user to search for existing vacancies
- Allow the user to add vacancies
- Allow user to view details of existing vacancies
- Allow user to delete vacancies

Priority: 2

Effort: 4

NEW ISSUE *

Vacancies

Unassigned
0 comments
Add tag
Save

State
To Do
Area
Orange HRM Case study
Reason
Added to back...
Iteration
Orange HRM Case study

Details

Description

As a user when I go to Vacancies option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete vacancies.

Acceptance Criteria: When user goes to the Vacancies option in Recruitment, the system should

- Allow the user to search for existing vacancies
- Allow the user to add vacancies
- Allow user to view details of existing vacancies
- Allow user to delete vacancies

Planning

Priority
2

Effort
4

Deployment

Development

+ Add link

TC_001

Description: To validate the search functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user enters search criteria in the search field

And clicks the "Search" button

Then the system should display a list of vacancies matching the search criteria

TC_002

Description: To validate the add functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user clicks the "Add" button, fills in the vacancy details

And clicks the "Save" button

Then the system should display a confirmation message

And the new vacancy should appear in the list of vacancies

TC_003

Description: To validate the bulk deletion of Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user selectes multiple vacancies for deletion

Then the system should bulk delete all the entries and give confirmation message.

TC_004

Description: To validate the edit functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently viewing a vacancy's details

When the user clicks on the Edit icon for a vacancy, updates the vacancy's details

And clicks the "Save" button

Then the system should display a confirmation message

And the updated details should be reflected in the vacancy's profile

TC_005

Description: To validate the delete functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user clicks on the delete icon for a vacancy

And confirms the deletion

Then the system should display a confirmation message

And the vacancy should be removed from the list of vacancies

US_004: Login Page

As a user when I enter valid username and password and click on the Login button, then the system should allow me to access the home page.

Acceptance Criteria: When valid credentials are entered, the system should

- Allow the user to access the home page.

- Username should be of 5-20 characters.
- Password should contain alphanumeric values with at least 1 digit and 1 small case.

Priority: 1

Effort: 3

NEW ISSUE *

Login Page

Unassigned
0 comments
Add tag
Save

State
To Do
Area
Orange HRM Case study
Reason
Added to back...
Iteration
Orange HRM Case study
Details

Description

As a user when I enter valid username and password and click on the Login button, then the system should allow me to access the home page.

Acceptance Criteria: When valid credentials are entered, the system should

- Allow the user to access the home page.
- Username should be of 5-20 characters.
- Password should contain alphanumeric values with at least 1 digit and 1 small case.

Planning

Priority
1

Effort
3

Deployment

Development

Add link

TC_001: To test the login functionality of login page using valid credentials

Given the user can access the application [OrangeHRM \(orangehrmlive.com\)](http://orangehrmlive.com) in chrome browser

When user enters valid "username" and valid "password"

And user clicks on login button

Then the user should be redirected to the [Dashboard](#)

S. No.	Username	Password	Able to login?	Expected Outcome
1	Admin	admin123	Yes	Yes

TC_002: To test if username field is editable and if the user can enter text

Given the user can access the application [OrangeHRM \(orangehrmlive.com\)](http://orangehrmlive.com) in chrome browser

When user clicks on the "username" field

Then the user should be able to enter the “username”.

S. No.	Username
1	Admin
2	Admin123

TC_003: To test if password field is editable and if the user can enter text

Given the user can access the application [OrangeHRM \(orangehrmlive.com\)](http://orangehrmlive.com) in chrome browser

When user clicks on the “password” field

Then the user should be able to enter the “password”.

S. No.	Password
1	admin123

TC_004: To test if a relevant message is displayed when invalid credentials are entered.

Given the user can access the application [OrangeHRM \(orangehrmlive.com\)](http://orangehrmlive.com) in chrome browser

When user enters invalid "username" or invalid "password"

And user clicks on login button

Then the user should get a message stating “Invalid credentials” above the username field.

S. No.	Username	Password
1	Admin	admin123

TC_005: To test the login functionality with an empty username or empty password.

Given the user can access the application [OrangeHRM \(orangehrmlive.com\)](http://orangehrmlive.com) in chrome browser

When user enters empty "username" or empty "password"

And user clicks on login button

Then the user should get a message stating “Required” below the respective empty field.

S. No.	Username	Password
--------	----------	----------

1		admin123
2	Source	

US_005: TERMINATION REASONS

As a user when I go to "Termination Reasons" under "configuration" toggle under "PIM" tab then I should be able to add, edit and delete the termination terms of any employee.

Acceptance Criteria: When valid credentials are entered and select "Termination Reasons" page then:

- User should be able to add "Termination Reason" to the list.
- User should be able to edit the "Termination Reason" record of the employee.
- User should be able to delete the "Termination Reason" record of any employee.

Priority: 1

Effort: 4

NEW ISSUE *

Termination Reasons

Unassigned
0 comments
Add tag
Save

State
To Do
Area
Orange HRM Case study
Reason
Added to back...
Iteration
Orange HRM Case study
Details

Description

As a user when I go to "Termination Reasons" under "configuration" toggle under "PIM" tab then I should be able to add, edit and delete the termination terms of any employee.

Acceptance Criteria: When valid credentials are entered and select "Termination Reasons" page then:

- User should be able to add "Termination Reason" to the list.
- User should be able to edit the "Termination Reason" record of the employee.
- User should be able to delete the "Termination Reason" record of any employee.

Planning

Priority
1
Effort
4

Deployment

Development
Add link

TC_001:

Description: To validate the functionality of the “Add” button

Given the user is logged in to the website “<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>” in chrome web browser using the valid username “Admin” and valid password “admin123” and he is in the “Termination Reasons” tab under “Configuration” dropdown in “PIM” tab.

When the user clicks on the “Add” button

Then the user should be redirected to the page (<https://opensource-demo.orangehrmlive.com/web/index.php/pim/saveTerminationReasons>) which asks the user to type in the termination reason.

TC_002

Description: To check whether the Termination Reason input field is accepting text input.

Given the user is logged in to the website “<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>” in chrome web browser using the valid username “Admin” and valid password “admin123” and in the “Add” page in “Termination Reasons” tab under “Configuration” dropdown in “PIM” tab.

When the user clicks in the text field

Then the text field should accept user input

TC_003

Description: To validate the functionality of “Cancel” button on adding to the list on “Termination Reasons”.

Given the user is logged in to the website “<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>” in chrome web browser using the valid username “Admin” and valid password “admin123” and in the “Add” page in “Termination Reasons” tab under “Configuration” dropdown in “PIM” tab.

When the user clicks on the “Cancel” button

Then the user should be redirected to the previous page (<https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewTerminationReasons>)

TC_004

Description: To validate the functionality of “Save” button on adding to the list on “Termination Reasons”.

Given the user is logged in to the website “https://opensource-demo.orangehrmlive.com/web/index.php/auth/login” in chrome web browser using the valid username “Admin” and valid password “admin123” and in the “Add” page in “Termination Reasons” tab under “Configuration” dropdown in “PIM” tab.

When the user clicks on the “Save” button after adding the valid input

Then the input should be added to the list and the user should be redirected to (<https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewTerminationReasons>)

Bug Report (Flaky Bug)

Description: The ‘Add’ button is not working few times

Steps to reproduce:

- Open chrome browser
- Open the site https://opensource-demo.orangehrmlive.com/web/index.php/auth/login
- Login using username: ‘Admin’ and password: admin123
- From the list select ‘PIM’ then go to ‘Configuration’ then go to ‘Termination Reason’ and click on ‘Add’ button. After entering the reason when the user clicks on save then a few times the data is not added to the list.

Time Stamp: 06/09/2024 11:55 AM

Severity: Low

Priority: Minor

Assignee: problem_dev

Expected Result: The input by user should be added to the list all the times.

TC_005

Description: To validate the functionality of checkbox in the 'Termination Reasons' List

Given the user is logged in to the website "https://opensource-demo.orangehrmlive.com/web/index.php/auth/login" in chrome web browser using the valid username "Admin" and valid password "admin123" and in the "Add" page in "Termination Reasons" tab under "Configuration" dropdown in "PIM" tab.

When the user clicks on the checkbox of the termination reason in the list

Then the user should be able to select that specific item from the list on which further functions can be performed that is deletion and updation

BUG Defect Reports:

BG_001:

Description: The field ask for Name on termination reason page instead of reason which may create a confusion

Steps to reproduce:

- Open chrome browser
- Open the site https://opensource-demo.orangehrmlive.com/web/index.php/auth/login
- Login using username: 'Admin' and password: admin123
- From the list select 'PIM' then go to 'Configuration' then go to 'Termination Reason' and click on 'Add' button. The input field is showing to input 'Name' instead it should ask to enter the 'Reason'

Time Stamp: 06/09/2024 10:55 AM

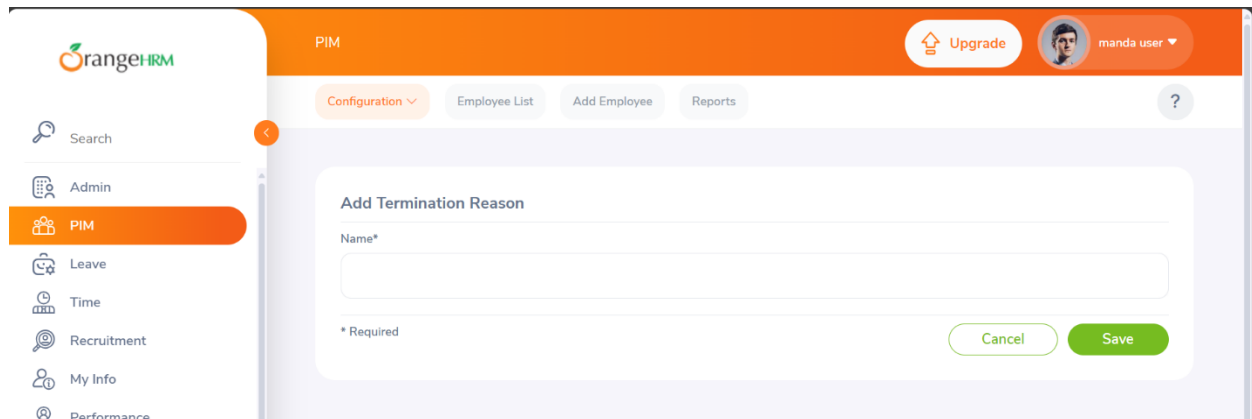
Severity: Low

Priority: Minor

Assignee: problem_dev

Expected Result: The user should be asked to enter Reason instead of Name.

Screenshot or recording:



BG_002:

Description of bug: Login successful with invalid credentials

Steps to reproduce: Open OrangeHRM in chrome browser, enter “admin” username and “admin123” password and click on login button. The user is able to successfully login

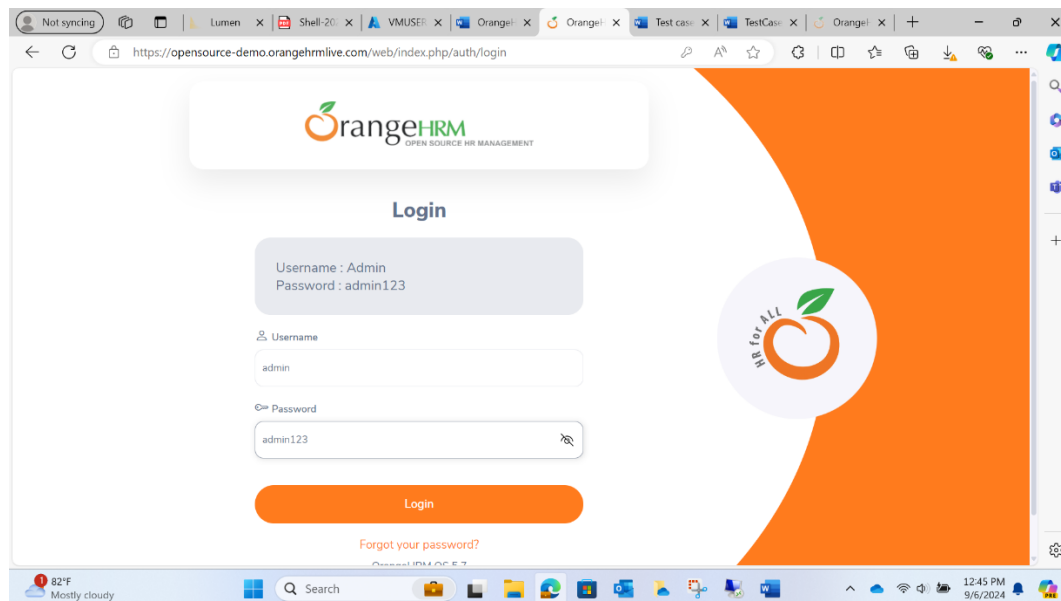
Time stamp: 06/09/2024 12:50 PM

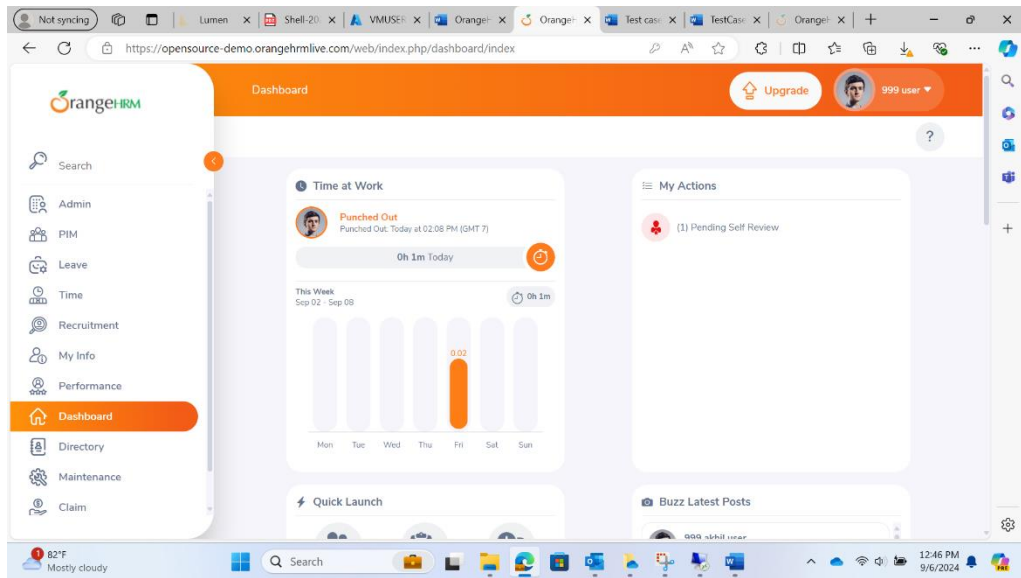
Severity: High

Priority: Major

Assignee: Developer3

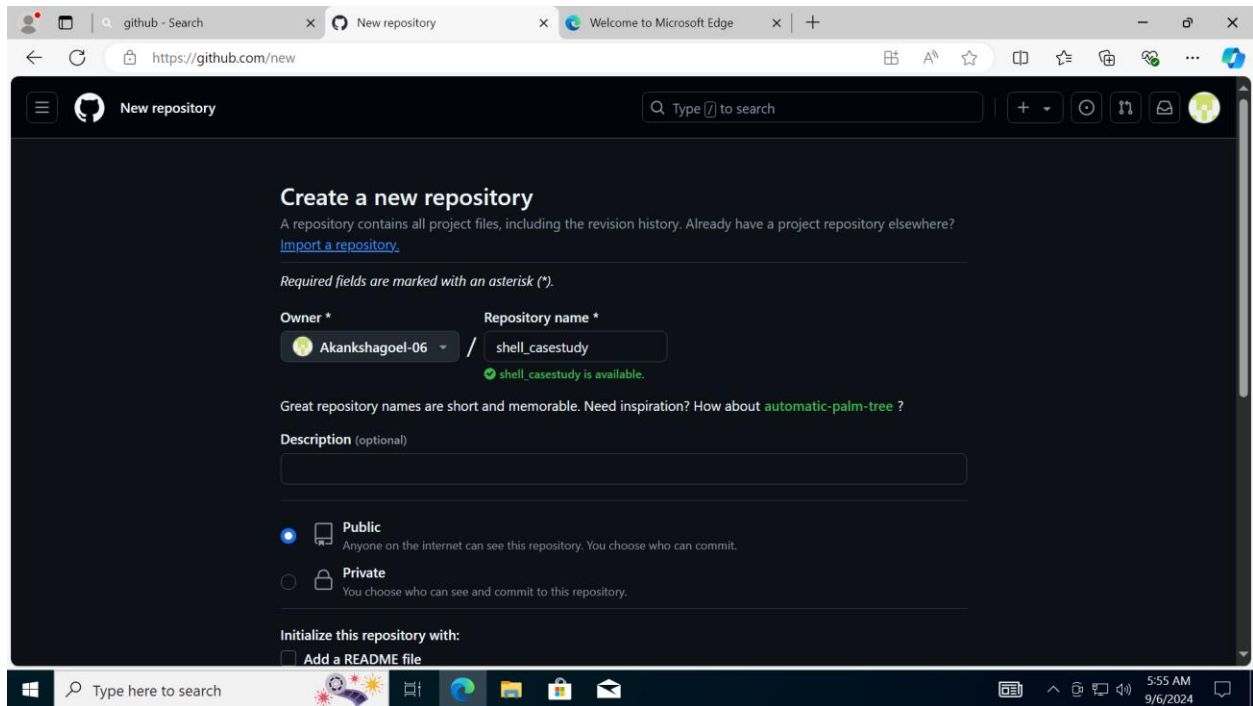
Screenshot



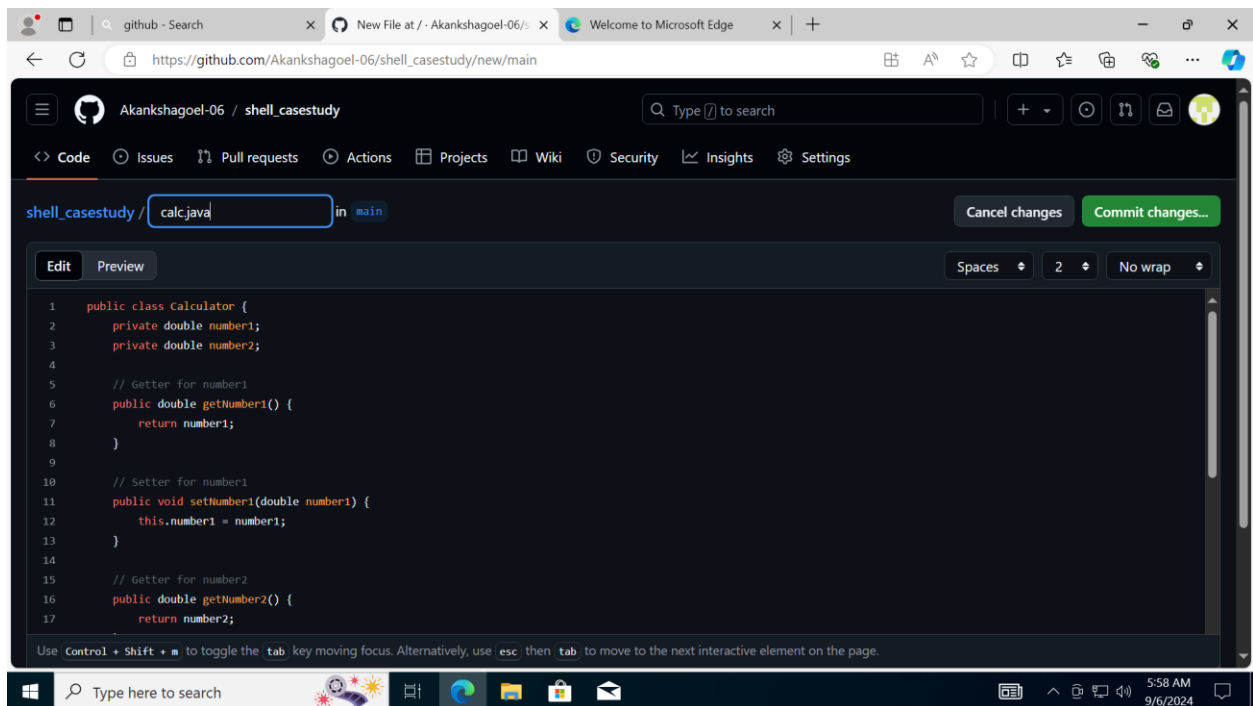


Implementing the CI/CD Pipeline using GitHub Actions

Step 1: Create a new repository.



Step 2: Add code for java project



Step 3: Create Maven.yml using GitHub actions workflows.

The screenshot shows the GitHub repository interface for 'Akankshagoel-06 / shell_casestudy'. The 'Code' tab is selected, and the file 'maven.yml' is open. The file content is as follows:

```
1 # This workflow will build a Java project with Maven, and cache/restore any dependencies to improve the workflow execution
2 # For more information see: https://docs.github.com/en/actions/automating-builds-and-tests/building-and-testing-java-with-m
3
4 # This workflow uses actions that are not certified by GitHub.
5 # They are provided by a third-party and are governed by
6 # separate terms of service, privacy policy, and support
7 # documentation.
8
9 name: Java CI with Maven
10
11 on:
12   push:
13     branches: [ "main" ]
14   pull_request:
15     branches: [ "main" ]
```

The file is 35 lines (28 loc) and 1.12 KB. The commit message is 'Akankshagoel-06 Update maven.yml' and it was committed 308bf22 · 5 minutes ago.

Step 4: Add pom.xml file

The screenshot shows the GitHub repository interface for 'Akankshagoel-06 / shell_casestudy'. The 'Code' tab is selected, and the file 'pom.xml' is open. The file content is as follows:

```
1 <project xmlns="http://maven.apache.org/POM/4.0.0"
2   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
4   <modelVersion>4.0.0</modelVersion>
5
6   <groupId>com.example</groupId>
7   <artifactId>simple-java-app</artifactId>
8   <version>1.0-SNAPSHOT</version>
9
10  <properties>
11    <maven.compiler.source>11</maven.compiler.source>
12    <maven.compiler.target>11</maven.compiler.target>
13  </properties>
14
15  <dependencies>
16    <!-- Add your project dependencies here -->
```

The file is 44 lines (40 loc) and 1.52 KB. The commit message is 'Akankshagoel-06 Create pom.xml' and it was committed 52aed58 · 8 minutes ago.

Step 5: `System.out.println("Answers:");` is added and java file is updated, the build is automatically deployed in the workflow

The screenshot shows the GitHub Actions interface for the repository 'Akankshagoel-06 / shell_casestudy'. The 'All workflows' tab is selected, displaying a list of workflow runs. The left sidebar shows the 'Actions' section with a 'New workflow' button and a list of workflow files: 'All workflows', 'Java CI with Maven', 'Management', 'Caches', 'Attestations', and 'Runners'. The main area shows 7 workflow runs, with the first two being successful and the last two failing.

Workflow Name	Status	Event	Branch	Actor	Time
Update calc.java	Success	Push	main	Akankshagoel-06	now
Update maven.yml	Success	Push	main	Akankshagoel-06	10 minutes ago
Create pom.xml	Failure	Push	main	Akankshagoel-06	12 minutes ago
Create maven.yml	Failure	Push	main	Akankshagoel-06	14 minutes ago
Update maven.yml	Failure	Push	main	Akankshagoel-06	18 minutes ago