

Shell Foundation – Final Case Study Document

Creating a Virtual Machine

1. Open Azure DevOps
2. Creating a Azure VM.

This screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Basics' step. The interface includes a top navigation bar with the Microsoft Azure logo, a search bar, and user information. Below the navigation bar, there are three help buttons: '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 main form contains the following fields:

- Subscription:** RDBH
- Resource group:** RDBH (with a 'Create new' link below it)
- Instance details:**
 - Virtual machine name:** MantraJain (with a green checkmark)
 - Region:** (US) East US
 - Availability options:** Availability zone
 - Zone options:** Self-selected zone (selected), with a note: 'Choose up to 3 availability zones, one VM per zone'

At the bottom of the form, there are three buttons: '< Previous', 'Next : Disks >', and 'Review + create'. A 'Give feedback' link is also present in the bottom right corner.

This screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Advanced' step. The interface is similar to the previous step, with the same top navigation bar and help buttons. The main form contains the following fields:

- Availability zone:** Zone 1 (with a note: 'You can now select multiple zones. Selecting multiple zones will create one VM per zone. Learn more'))
- Security type:** Trusted launch virtual machines (with a 'Configure security features' link below it)
- Image:** Windows 10 Pro, version 22H2 - x64 Gen2 (with links 'See all images' and 'Configure VM generation' below it)
- VM architecture:** x64 (selected), with a note: 'Arm64 is not supported with the selected image.'

At the bottom of the form, there are three buttons: '< Previous', 'Next : Disks >', and 'Review + create'. A 'Give feedback' link is also present in the bottom right corner.

Select a VM size

Search by VM size...

Display cost: Monthly

vCPUs: All

RAM (GiB): All

Add filter

Showing 795 VM sizes. | Subscription: RDBH | Region: East US | Current size: Standard_B2s | Image: Windows 10 Pro, version 22H2 | [Learn more about VM sizes](#) |

Group by series

VM Size	Type	vCPUs	RAM (GiB)	Data disks	Max IOPS	Local storage (GiB)	Premium disk	Cost/month
Most used by Azure users								
B2s	General purpose	2	4	4	1280	8 (SCSI)	Supported	₹2,526.46
B1s	General purpose	1	1	2	320	4 (SCSI)	Supported	₹631.61
B1ls	General purpose	1	0.5	2	320	4 (SCSI)	Supported	₹315.81
B-Series								
Ideal for workloads that do not need continuous full CPU performance								
B2s	General purpose	2	4	4	1280	8 (SCSI)	Supported	₹2,526.46
B1s	General purpose	1	1	2	320	4 (SCSI)	Supported	₹631.61
B1ls	General purpose	1	0.5	2	320	4 (SCSI)	Supported	₹315.81
B1ms	General purpose	1	2	2	640	4 (SCSI)	Supported	₹1,257.15

Blocked by Policy

Your organization has Azure Policies in place that restrict these sizes.

Select

Prices presented are estimates in INR that include only Azure infrastructure costs and any discounts for the subscription and location. The prices don't include any applicable software costs. Final charges will appear in your local currency in cost analysis and billing views. [View Azure pricing calculator](#)

[Give feedback](#)

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

Username *

Mantra Jain

Password *

Confirm password *

Inbound port rules

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)

☒ HTTP (80)

☒ HTTPS (443)

☒ SSH (22)

☒ RDP (3389)

Licensing

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

☐

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

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Subscription credits apply ⓘ

3.4609 INR/hr

[Pricing for other VM sizes](#)

Basics

Subscription	RDBH
Resource group	RDBH
Virtual machine name	MantraJain
Region	East US
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows 10 Pro, version 22H2 - Gen2
VM architecture	x64
Size	Standard B2s (2 vcpus, 4 GiB memory)
Enable Hibernation	No
Username	Mantra Jain
Public inbound ports	RDP, HTTP, HTTPS, SSH
Already have a Windows license?	Yes
License type	Windows Client
Azure Spot	No

... Deployment is in progress

🔗

Deployment name: CreateVm-MicrosoftWindowsDesktop.Windows...

Start time: 06/09/2024, 09:14:21

Subscription: RDBH






Correlation ID: d4d17199-1d4f-44a9-a765-f432d858b165

Resource group: RDBH

🔗

Deployment details

Resource	Type	Status	Operation details
🔗 MantraJain	Microsoft.Compute/virtualMachines	Created	Operation details
✓ mantrajain557_z1	Microsoft.Network/networkInterfaces	OK	Operation details
✓ MantraJain-ip	Microsoft.Network/publicIpAddresses	OK	Operation details
✓ MantraJain-nsg	Microsoft.Network/networkSecurityGroups	OK	Operation details


 Delete  Cancel  Redeploy  Download  Refresh

✓ Your deployment is complete



Deployment name: CreateVm-MicrosoftWindowsDesktop.Windows...
Subscription: [RDBH](#)
Resource group: [RDBH](#)

Start time: 06/09/2024, 09:58:32

Correlation ID: 30c44cec-84c7-4d35-962c-3a07eb5aa22b 

▼ Deployment details

^ Next steps

[Setup auto-shutdown](#) Recommended

[Monitor VM health, performance and network dependencies](#) Recommended

[Run a script inside the virtual machine](#) Recommended

[Go to resource](#)

[Create another VM](#)

Give feedback

 [Tell us about your experience with deployment](#)

 Refresh  Troubleshoot ▼  More Options ▼  Feedback



Connecting using

Public IP address | [172.208.64.149](#)



Admin username

: Mantra Jain

Port ([change](#))

: 3389 [Check access](#) ⓘ

Just-in-time policy

: Not configured for port 3389 [Configure for this port](#)

Most common



Local machine

Native RDP

Connect via native RDP without any additional software needed. Recommended for testing only.

Public IP address (172.208.64.149)

[Select](#)

[Download RDP file](#)



▼ More ways to connect (4)



Windows Security



Enter your credentials

These credentials will be used to connect to 172.208.64.149.

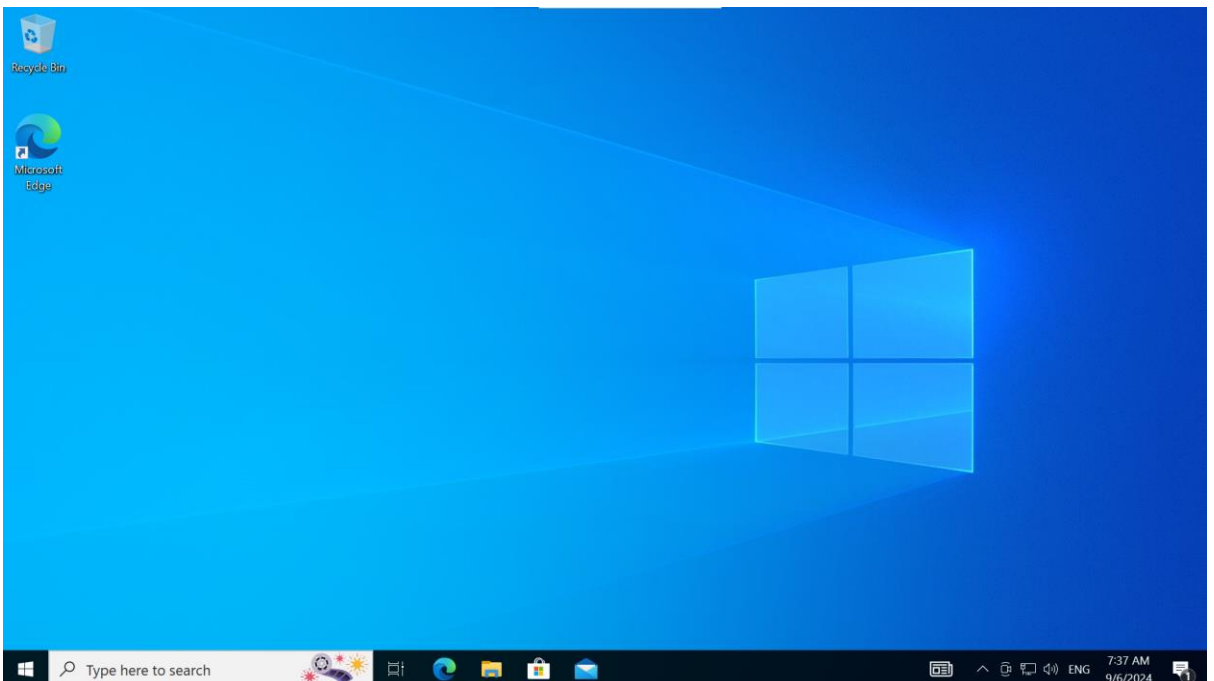
Mantra Jain

••••••••••

[More choices](#)

OK


Cancel



User Stories

Along With Tasks and Test Cases



EPIC

 EPIC 44



44 Orange HRM website



[+ Add link](#)



Parent



  1 Leave Module
Updated an hour ago, ● New

Child (4)

  5 Performance Module
Updated an hour ago, ● New

  2 PIM Module
Updated an hour ago, ● New



  4 Recruitment Module
Updated an hour ago, ● New

  3 Time Module
Updated an hour ago, ● New



Related Work



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Parent



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USER Stories

In the Software Development Life Cycle (SDLC), tasks are defined for each phase to ensure a structured approach to developing and delivering software. For the OrangeHRM website, I will define tasks for each user story according to typical SDLC phases: Requirements Gathering, Design, Development, Testing, and Deployment.

1. Leave Module

User Story: As an employee, I want to apply for leave so that I can take time off from work.

1. Requirements Gathering:

- Task: Gather detailed requirements for leave application, including types of leave, validation rules, and approval workflows.

- Deliverables: Requirements specification document.

2. Design:

- Task: Design the leave application form and workflow. Create wireframes and user interface mockups.

- Deliverables: UI design mockups, leave application form design.

3. Development:

- Task: Implement the leave application feature, including form submission, leave balance update, and integration with the approval workflow.

- Deliverables: Code for leave application feature, updated database schema if necessary.

4. Testing:

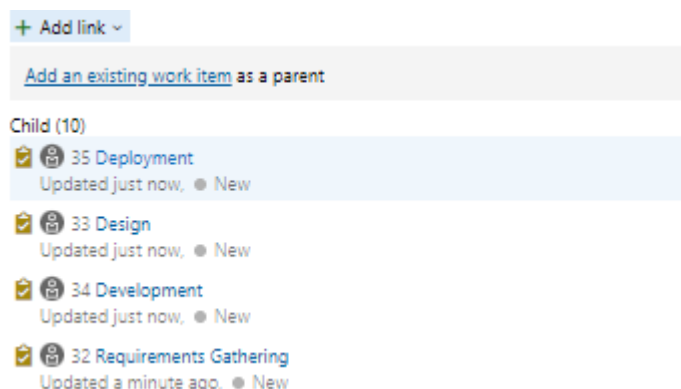
- Task: Create and execute test cases for applying for leave, updating leave balances, and handling leave approvals and cancellations.

- Deliverables: Test case results, defect reports for any failed tests.

5. Deployment:

- Task: Deploy the leave application feature to the staging environment. Perform smoke testing to ensure functionality.

- Deliverables: Deployed feature in staging, deployment verification report.



2. PIM (Personal Information Management) Module

User Story: As an HR manager, I want to add new employee details to the system so that they can be managed effectively.

1. Requirements Gathering:

- Task: Define requirements for employee information management, including fields, validation rules, and user roles.
- Deliverables: Requirements specification document.

2. Design:

- Task: Design the employee information form, including input fields and layout. Create wireframes and database schema design.
- Deliverables: UI design mockups, database schema design.

3. Development:

- Task: Develop features for adding, editing, and deleting employee records. Ensure integration with the existing HR system.
- Deliverables: Code for employee management features, updated database schema.

4. Testing:

- Task: Develop and execute test cases for adding, editing, and deleting employee records. Verify functionality and data integrity.
- Deliverables: Test case results, defect reports for any failed tests.

5. Deployment:

- Task: Deploy the employee management features to the staging environment. Perform validation tests to ensure correct functionality.
- Deliverables: Deployed feature in staging, deployment validation report.

Related Work

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[Add an existing work item](#) as a parent

Child (9)

- 39 Deployment
Updated just now, ● New
- 37 Design
Updated a minute ago, ● New
- 38 DEvelopment
Updated just now, ● New
- 36 Requirements Gatherin
Updated a minute ago, ● New
- 12 Add New Employee
Updated 23 minutes ago, ● Design
- 14 Delete Employee Record
Updated 22 minutes ago, ● Design

3. Time Module

User Story: As an employee, I want to log my working hours so that my work time can be tracked.

1. Requirements Gathering:

- Task: Define requirements for time logging, including input fields, validation, and reporting needs.
- Deliverables: Requirements specification document.

2. Design:

- Task: Design the time logging interface and reporting format. Create wireframes and data model design.
- Deliverables: UI design mockups, data model design.

3. Development:

- Task: Implement time logging functionality, including user interface and backend processing. Integrate with reporting tools.
- Deliverables: Code for time logging feature, updated database schema if necessary.

4. Testing:

- Task: Create and execute test cases for logging hours, viewing time logs, and editing/deleting time entries. Validate against requirements.
- Deliverables: Test case results, defect reports for any failed tests.

5. Deployment:

- Task: Deploy the time logging features to the staging environment. Conduct a deployment verification to ensure proper functionality.
- Deliverables: Deployed feature in staging, deployment verification report.

Related Work

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[Add an existing work item as a parent](#)

Child (9)

- 43 Deployment
Updated just now, ● New
- 41 Design
Updated just now, ● New
- 42 Development
Updated just now, ● New
- 40 Requirement Gathering
Updated just now, ● New
- 20 Delete Time Entry
Updated 22 minutes ago, ● Design
- 19 Edit Time Entry
Updated 22 minutes ago, ● Design

4. Recruitment Module

User Story: As an HR manager, I want to post a job vacancy so that candidates can apply for the position.

1. Requirements Gathering:

- Task: Collect requirements for job posting, including job details, application process, and user roles.
- Deliverables: Requirements specification document.

2. Design:

- Task: Design the job posting interface and application workflow. Create wireframes and define data storage requirements.
- Deliverables: UI design mockups, data storage design.

3. Development:

- Task: Develop the job posting functionality, including form submission and application tracking. Ensure integration with other recruitment tools.
- Deliverables: Code for job posting feature, updated database schema if needed.

4. Testing:

- Task: Develop and execute test cases for job posting, editing, and deleting vacancies. Ensure accurate application submission and tracking.

- Deliverables: Test case results, defect reports for any failed tests.

5. Deployment:

- Task: Deploy the recruitment features to the staging environment. Perform functional and integration tests to verify deployment.

- Deliverables: Deployed feature in staging, deployment verification report.

Related Work

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[Add an existing work item](#) as a parent

Child (9)

- 43 Deployment
Updated just now, ● New
- 41 Design
Updated just now, ● New
- 42 Development
Updated just now, ● New
- 40 Requirement Gathering
Updated just now, ● New
- 20 Delete Time Entry
Updated 22 minutes ago, ● Design
- 19 Edit Time Entry
Updated 22 minutes ago, ● Design

5. Performance Module

User Story: As a manager, I want to conduct performance reviews so that I can evaluate employee performance.

1. Requirements Gathering:

- Task: Gather requirements for performance reviews, including evaluation criteria, forms, and workflows.

- Deliverables: Requirements specification document.

2. Design:

- Task: Design the performance review form and evaluation process. Create wireframes and define reporting needs.

- Deliverables: UI design mockups, process flow diagrams.

3. Development:

- Task: Implement performance review features, including form submission and report generation. Ensure integration with employee data.

- Deliverables: Code for performance review feature, updated database schema if necessary.

4. Testing:

- Task: Create and execute test cases for conducting performance reviews, viewing reviews, and generating reports. Validate against requirements.

- Deliverables: Test case results, defect reports for any failed tests.

5. Deployment:

- Task: Deploy performance review features to the staging environment. Conduct deployment verification to ensure functionality.

- Deliverables: Deployed feature in staging, deployment verification report.













By following these tasks within each phase of the SDLC, the OrangeHRM website will be systematically developed, tested, and deployed, ensuring that the features meet the specified requirements and function as intended.

Related Work

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Child (9)

-   43 Deployment
Updated just now, ● New
-   41 Design
Updated just now, ● New
-   42 Development
Updated just now, ● New
-   40 Requirement Gathering
Updated just now, ● New
-   20 Delete Time Entry
Updated 22 minutes ago, ● Design
-   19 Edit Time Entry
Updated 22 minutes ago, ● Design

TEST CASES

1. Leave Module

-   6 Apply for Leave
Updated 42 minutes ago, ● Design
-   11 Error Handling for Overlapping Leave
Updated 17 minutes ago, ● Design
-   7 Leave Balances Update
Updated 38 minutes ago, ● Design
-   10 Leave Cancellation
Updated 18 minutes ago, ● Design
-   8 Leave Request Approval Workflow
Updated 36 minutes ago, ● Design
-   9 Leave Request Approval Workflow
Updated 19 minutes ago, ● Design

A	B	C	D	E	F
User Story-1		Leave Module:			
Test Case ID	Test Case Descriptio	Test Steps	Expected Result	Actual Result	Status
1	Apply for Leave	Log in as an employee. Navigate to the "Leave" section. Click on "Apply Leave." Fill in the leave details (e.g., leave type, start date, end date). Submit the leave request.	Leave request is successfully	Leave request is successfully su	Pass
2	Leave Balances Update	Log in as an employee. Navigate to the "Leave" section. Check the leave balance before applying for leave. Apply for leave. Check the leave balance again.	Leave balance is updated correctly after applying for leave.	Leave balance is updated correctly after applying for leave.	Pass
3	Leave Request Approval Workflow	Log in as an employee and apply for leave. Log in as a manager. Navigate to the "Leave Requests" section. Approve the leave request. Log in as an employee and check the leave status.	Leave request status is updated to "Approved."	Leave request status is updated to "Approved."	FAIL
4	Leave Cancellation	Log in as an employee. Apply for leave and wait for approval. Navigate to the "Leave History" section. Select the approved leave and click "Cancel." Confirm the cancellation.	Leave request is successfully	Leave request is successfully cc	Pass
5	Error Handling for Overlapping Leave	Log in as an employee. Apply for leave from a date that overlaps with an existing approved leave. Attempt to submit the leave request.	Error message is displayed in	Error message is displayed indi	FAIL

2. PIM Module

User Story-2		PIM Module		As an HR manager, I want to add new employee details to the system so that they		
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	
1	Add New Employee	Log in as an HR manager. Navigate to the "PIM" section. Click on "Add Employee." Enter all required details (e.g., first name, last name, employee ID).			Pass	
		Save the new employee details.	New employee details are s	New employee details are savi		
2	Edit Employee List	Log in as an HR manager. Navigate to the "Employee List." Select an employee and click "Edit." Modify employee details.			Pass	
		Save changes.	Employee details are updat	Employee details are updated		
3	Delete Employee Record	Log in as an HR manager. Navigate to the "Employee List." Select an employee and click "Delete." Confirm deletion.			Pass	
			Employee record is success	Employee record is successfu		
4	Search for Employee	Log in as an HR manager. Navigate to the "Employee List." Use the search function to find an employee by name or ID.			Pass	
			Employee is found and disp	Employee is found and displa		
5	Validate Employee ID Uniqueness	Log in as an HR manager. Navigate to the "Add Employee" section. Enter a duplicate employee ID.			Pass	
		Attempt to save the new employee.	An error message is displa	An error message is displayed		

- 12 Add New Employee
Updated 16 minutes ago, ● Design
- 14 Delete Employee Record
Updated 15 minutes ago, ● Design
- 13 Edit Employee List
Updated 16 minutes ago, ● Design
- 15 Search for Employee
Updated 15 minutes ago, ● Design
- 16 Validate Employee ID Uniqueness
Updated 15 minutes ago, ● Design

3.Time Module

User Story-3		Time Module		As an employee, I want to log my working hours so that my work time can be tracked		
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	
1	Log Working Hours	Log in as an employee. Navigate to the "Time" section. Click on "Log Time." Enter work hours and details.			Pass	
		Save the time entry.	Time entry is saved and dis	Time entry is saved and displ		
2	View Time Logs	Log in as an employee. Navigate to the "Time" section. Click on "View Time Logs." Check for previously logged hours.			Pass	
			All time logs are displayed	All time logs are displayed cc		
3	Edit Time Entry	Log in as an employee. Navigate to the "Time" section. Select a previously logged time entry. Click "Edit" and modify the details.			Pass	
		Save changes.	Time Entry is Updated With	Time Entry is Updated With N		
4	View Time Logs	Log in as an employee. Navigate to the "Time" section. Select a time entry and click "Delete." Confirm deletion.			FAIL	
			Time Entry is must be for o	Time entry coming of whole y		
5	Validate Time entry Overlap	Log in as an employee. Navigate to the "Time" section. Attempt to log overlapping work hours for the same day.			Pass	
			An error message is displa	An error message is displaye		

[Add an existing work item](#) as a parent

Child (5)

- 20 Delete Time Entry
Updated 12 minutes ago, ● Design
- 19 Edit Time Entry
Updated 12 minutes ago, ● Design
- 17 Log Working Hours
Updated 13 minutes ago, ● Design
- 21 Validate Time entry Overlap
Updated 12 minutes ago, ● Design
- 18 View Time Logs
Updated 12 minutes ago, ● Design

4. Recruitment Module

User Story-4		Recrutitment Module	As an employee, I want to log my working hours so that my work time can be tracked.			
Test Case ID	Test Case Descripti	Test Steps	Expected Result	Actual Result	Status	
1	Post a new job Vacancy	Log in as an employee. Navigate to the "Time" secti Log in as an HR manager. Navigate to the "Recruitment" section. Click on "Post Job Vacancy." Fill in the job details (e.g., job title, description, location). Save the job posting.	Job Vacancy is posted and v	Job Vacancy is posted and visi	Pass	
2	View Job Vacancies	Log in as an HR manager. Navigate to the "Recruitment" section. Click on "View Job Vacancies." Check for the posted job listings.	All job vacancies are display	All job vacancies are displaye	Pass	
3	Edit Job Vacancy	Log in as an employee. Navigate to the "Time" section. Log in as an HR manager. Navigate to the "Recruitment" section. Select a job vacancy and click "Edit." Modify job details. Save changes.	Job Vacancy details are upd	Job Vacancy details are updat	Pass	
4	Delete Job Vacancy.	Log in as an HR manager. Navigate to the "Recruitment" section. Select a job vacancy and click "Delete." Confirm deletion.	Job Vacancy is deleted Succ	Job Vacancy is deleted Succes	Pass	
5	Validate Job Application Submission.	Log in as a candidate. Navigate to the "Job Listings." Apply for a job position. Submit the application.	Application is submitted an	Application is submitted and c	Pass	

[Add an existing work item](#) as a parent

Child (5)

- 25 Delete Job Vacancy.
Updated 7 minutes ago, ● Design
- 24 Edit Job Vacancy
Updated 7 minutes ago, ● Design
- 22 Post a new job Vacancy
Updated 8 minutes ago, ● Design
- 26 Validate Job Application Submission.
Updated 7 minutes ago, ● Design
- 23 View Job Vacancies
Updated 8 minutes ago, ● Design

5. Performance Module



User Story-5		Performance Module	As a manager, I want to conduct performance reviews so that I can evaluate employee performance.			
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	
1	Conduct Performance Review	Log in as a manager. Navigate to the "Performance" section. Select an employee and click "Conduct Review." Fill out the performance review form. Save the review.	Performance review is saved	Performance review is saved	Pass	
2	View Performance Reviews	Log in as a manager. Navigate to the "Performance" section. Click on "View Reviews." Check for performance reviews of employees.	All Performance reviews are displayed	All Performance reviews are displayed	Pass	
3	Edit Performance Review	Log in as a manager. Navigate to the "Performance" section. Select a performance review and click "Edit." Modify the review details. Save changes.	Performance review is updated	Performance review is updated	Pass	
4	Delete Performance Review	Log in as a manager. Navigate to the "Performance" section. Select a performance review and click "Delete." Confirm deletion.	Performance Review is deleted	Performance Review is deleted	Pass	
5	Validate Performance Review Submission	Log in as a manager. Navigate to the "Performance" section. Conduct a performance review and attempt to submit without filling all required fields must be filled.	Application is submitted and rejected	Application is submitted and rejected	Pass	


Related Work



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[Add an existing work item as a parent](#)



Child (5)

  [27 Conduct Performance Review](#)
Updated 4 minutes ago, ● Design













  [30 Delete Performance Review](#)
Updated 3 minutes ago, ● Design

  [29 Edit Performance Review](#)
Updated 3 minutes ago, ● Design

  [31 Validate Performance Review Submission](#)
Updated 3 minutes ago, ● Design

  [28 View Performance Reviews](#)
Updated 3 minutes ago, ● Design

1. Leave Module

-   6 Apply for Leave
Updated 42 minutes ago, ● Design
-   11 Error Handling for Overlapping Leave
Updated 17 minutes ago, ● Design
-   7 Leave Balances Update
Updated 38 minutes ago, ● Design
-   10 Leave Cancellation
Updated 18 minutes ago, ● Design
-   8 Leave Request Approval Workflow
Updated 36 minutes ago, ● Design
-   9 Leave Request Approval Workflow
Updated 19 minutes ago, ● Design

User Story-1		Leave Module:			
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status
1	Apply for Leave	Log in as an employee. Navigate to the "Leave" section. Click on "Apply Leave." Fill in the leave details (e.g., leave type, start date, end date). Submit the leave request.	Leave request is successful	Leave request is successfully	Pass
2	Leave Balances Update	Log in as an employee. Navigate to the "Leave" section. Check the leave balance before applying for leave. Apply for leave. Check the leave balance again.	Leave balance is updated correctly after applying for leave.	Leave balance is updated correctly after applying for leave.	Pass
3	Leave Request Approval Workflow	Log in as an employee and apply for leave. Log in as a manager. Navigate to the "Leave Requests" section. Approve the leave request. Log in as an employee and check the leave status.	Leave request status is updated to "Approved."	Leave request status is updated to "Approved."	Pass
4	Leave Cancellation	Log in as an employee. Apply for leave and wait for approval. Navigate to the "Leave History" section. Select the approved leave and click "Cancel." Confirm the cancellation.	Leave request is successful	Leave request is successfully	Pass
5	Error Handling for Overlapping Leave	Log in as an employee. Apply for leave from a date that overlaps with an existing approved leave. Attempt to submit the leave request.	Error message is displayed i	Error message is displayed inc	Pass

2. PIM Module

1						
2	User Story-2		PIM Module	As an HR manager, I want to add new employee details to the system so that they		
3						
4	Test Case ID	Test Case Descriptio	Test Steps	Expected Result	Actual Result	Status
5	1	Add New Employee	Log in as an HR manager. Navigate to the "PIM" section. Click on "Add Employee." Enter all required details (e.g., first name, last name, employee ID). Save the new employee details.	New employee details are s	New employee details are savi	Pass
6	2	Edit Employee List	Log in as an HR manager. Navigate to the "Employee List." Select an employee and click "Edit." Modify employee details. Save changes.	Employee details are updat	Employee details are updated	Pass
7	3	Delete Employee Record	Log in as an HR manager. Navigate to the "Employee List." Select an employee and click "Delete." Confirm deletion.	Employee record is success	Employee record is successfu	Pass
8	4	Search for Employee	Log in as an HR manager. Navigate to the "Employee List." Use the search function to find an employee by name or ID.	Employee is found and disp	Employee is found and displa	Pass
9	5	Validate Employee ID Uniqueness	Log in as an HR manager. Navigate to the "Add Employee" section. Enter a duplicate employee ID. Attempt to save the new employee.	An error message is display	An error message is displayed	Pass











- 12 Add New Employee
Updated 16 minutes ago, ● Design
- 14 Delete Employee Record
Updated 15 minutes ago, ● Design
- 13 Edit Employee List
Updated 16 minutes ago, ● Design
- 15 Search for Employee
Updated 15 minutes ago, ● Design
- 16 Validate Employee ID Uniqueness
Updated 15 minutes ago, ● Design

3.Time Module

1						
2	User Story-3		Time Module	As an employee, I want to log my working hours so that my work time can be tracked		
3						
4	Test Case ID	Test Case Descriptio	Test Steps	Expected Result	Actual Result	Status
5	1	Log Working Hours	Log in as an employee. Navigate to the "Time" section. Click on "Log Time." Enter work hours and details. Save the time entry.	Time entry is saved and disp	Time entry is saved and displa	Pass
6	2	View Time Logs	Log in as an employee. Navigate to the "Time" section. Click on "View Time Logs." Check for previously logged hours.	All time logs are displayed c	All time logs are displayed cor	Pass
7	3	Edit Time Entry	Log in as an employee. Navigate to the "Time" section. Select a previously logged time entry. Click "Edit" and modify the details. Save changes.	Time Entry is Updated With	Time Entry is Updated With Ne	Pass
8	4	Delete Time Entry	Log in as an employee. Navigate to the "Time" section. Select a time entry and click "Delete." Confirm deletion.	Time Entry is Removed from	Time Entry is Removed from ti	Pass
9	5	Validate Time entry Overlap	Log in as an employee. Navigate to the "Time" section. Attempt to log overlapping work hours for the same day.	An error message is display	An error message is displayed	Pass

[Add an existing work item](#) as a parent

Child (5)











-   20 Delete Time Entry
Updated 12 minutes ago, ● Design
-   19 Edit Time Entry
Updated 12 minutes ago, ● Design
-   17 Log Working Hours
Updated 13 minutes ago, ● Design
-   21 Validate Time entry Overlap
Updated 12 minutes ago, ● Design
-   18 View Time Logs
Updated 12 minutes ago, ● Design

4. Recruitment Module

User Story-4		Recrutitment Module	As an employee, I want to log my working hours so that my work time can be tracked.			
Test Case ID	Test Case Descriptio	Test Steps	Expected Result	Actual Result	Status	
1	Post a new job Vacancy	Log in as an employee. Navigate to the "Time" secti Log in as an HR manager. Navigate to the "Recruitment" section. Click on "Post Job Vacancy." Fill in the job details (e.g., job title, description, location). Save the job posting.	Job Vacancy is posted and v	Job Vacancy is posted and visi	Pass	
2	View Job Vacancies	Log in as an HR manager. Navigate to the "Recruitment" section. Click on "View Job Vacancies." Check for the posted job listings.	All job vacancies are display	All job vacancies are displaye	Pass	
3	Edit Job Vacancy	Log in as an employee. Navigate to the "Time" section. Log in as an HR manager. Navigate to the "Recruitment" section. Select a job vacancy and click "Edit." Modify job details. Save changes.	Job Vacancy details are upd	Job Vacancy details are updat	Pass	
4	Delete Job Vacancy.	Log in as an HR manager. Navigate to the "Recruitment" section. Select a job vacancy and click "Delete." Confirm deletion.	Job Vacancy is deleted Succ	Job Vacancy is deleted Succes	Pass	
5	Validate Job Application Submission.	Log in as a candidate. Navigate to the "Job Listings." Apply for a job position. Submit the application.	Application is submitted an	Application is submitted and c	Pass	

[Add an existing work item](#) as a parent

Child (5)

-   25 Delete Job Vacancy.
Updated 7 minutes ago, ● Design
-   24 Edit Job Vacancy
Updated 7 minutes ago, ● Design
-   22 Post a new job Vacancy
Updated 8 minutes ago, ● Design
-   26 Validate Job Application Submission.
Updated 7 minutes ago, ● Design
-   23 View Job Vacancies
Updated 8 minutes ago, ● Design

5. Performance Module


User Story-5		Performance Module	As a manager, I want to conduct performance reviews so that I can evaluate employee performance.			
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	
1	Conduct Performance Review	Log in as a manager. Navigate to the "Performance" section. Select an employee and click "Conduct Review." Fill out the performance review form. Save the review.	Performance review is saved	Performance review is saved	Pass	
2	View Performance Reviews	Log in as a manager. Navigate to the "Performance" section. Click on "View Reviews." Check for performance reviews of employees.	All Performance reviews are displayed	All Performance reviews are displayed	Pass	
3	Edit Performance Review	Log in as a manager. Navigate to the "Performance" section. Select a performance review and click "Edit." Modify the review details. Save changes.	Performance review is updated	Performance review is updated	Pass	
4	Delete Performance Review	Log in as a manager. Navigate to the "Performance" section. Select a performance review and click "Delete." Confirm deletion.	Performance Review is deleted	Performance Review is deleted	Pass	
5	Validate Performance Review Submission	Log in as a manager. Navigate to the "Performance" section. Conduct a performance review and attempt to submit without filling all required fields must be filled.	Application is submitted and rejected	Application is submitted and rejected	Pass	


Related Work

+ Add link v

[Add an existing work item as a parent](#)


Child (5)

 [27 Conduct Performance Review](#)
Updated 4 minutes ago, ● Design

 [30 Delete Performance Review](#)
Updated 3 minutes ago, ● Design

 [29 Edit Performance Review](#)
Updated 3 minutes ago, ● Design

 [31 Validate Performance Review Submission](#)
Updated 3 minutes ago, ● Design

 [28 View Performance Reviews](#)
Updated 3 minutes ago, ● Design

Defect Report

- **Defect ID:** DEF-001
- **Module:** Login
- **Description:** Login username and password is not case sensitive.
- **Expected Result:** Username Must be case Sensitive.
- **Actual Result:** Able to login in both small and large case.
- **Severity:** High
- **Status:** Open
- **Assigned To:** Developer

Reset Password link sent successfully

A reset password link has been sent to you via email.

You can follow that link and select a new password.

Note:
If the email does not arrive, please contact your OrangeHRM Administrator.

-

NEW BUG *

Reset Password Not Coming

Unassigned

0 comments

Add tag

State	<input checked="" type="radio"/> New	Area	OrangeHRM-CaseStudy
Reason	New	Iteration	OrangeHRM-CaseStudy

Repro Steps

Click to add Repro Steps

System Info

Reset Password link not coming

Discussion

\$

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Defect ID: DEF-003

- **Module:** Time
- **Expected Result:** hours in a particular day should have been coming.
- **Actual Result:** Total hours till the login is coming.
- **Severity:** Low
- **Status:** Open
- **Assigned To:** Developer

Time at Work

Punched In

Punched In: Jan 15th at 02:06 AM (GMT 5.5)

3142h 46m Today

BUG 45

Invalid Hours

Unassigned

1 comment

Add tag

Save

Follow

@

🔄

...

Star

New

Reason

🔍

New

Area

Reason

OrangerRM-CaseStudy

OrangerRM-CaseStudy

Updated by shuser50 Just now

Details

🔗

🔗

🔗

Repro Steps

Click to add Repro Steps

System Info

Click to add System Info

Discussion

+

Add a comment. Use # to link a work item, / to link a pull request, or @ to mention a person.

shuser50 commented just now

hours in a particular day should have been coming instead of complete login period.

Planning

Resolved Reason

🔍

Story Points

Priority

2

Severity

3 - Medium

Activity

Effort (Hours)

Original Estimate

Remaining

Completed

Deployment

To track releases associated with this work item, go to [Release](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about deployment status reporting.

Development

+ Add link

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

Related Work

+ Add link

Parent

🔗 View Time Log

Updated on Now App: @ Design

System Info

Found in Build

Integrated in Build

Implementing the CI/CD Pipeline using GitHub Actions

REPO Link: [Create main.yml · Mantra-Jain/unextcasestudy \(github.com\)](https://github.com/Mantra-Jain/unextcasestudy)

Code

Blame

16 lines (12 loc) · 333 Bytes

Code 55% faster with GitHub Copilot

```

1      # Python program to swap two variables
2
3      x = 5
4      y = 10
5
6      # To take inputs from the user
7      #x = input('Enter value of x: ')
8      #y = input('Enter value of y: ')
9
10     # create a temporary variable and swap the values
11     temp = x
12     x = y
13     y = temp
14
15     print('The value of x after swapping: {}'.format(x))
16     print('The value of y after swapping: {}'.format(y))

```

Above is code to swap 2 variables.

As we haven't give any permission to push and pull below error is showing.

```
fetch_and_push_file
failed now in 2s

> ✓ Set up job
> ✓ Checkout Repository
> ✓ Fetch SwapVariables.py
> ✗ Add and Commit SwapVariables.py

1 ▶ Run git config --global user.name "Mantra-Jain"
8 [main df12008] Fetch and commit SwapVariables.py from external repository
9 1 file changed, 16 insertions(+)
10 create mode 100644 SwapVariables.py
11 remote: Permission to Mantra-Jain/unextcasesstudy.git denied to github-actions[bot].
12 fatal: unable to access 'https://github.com/Mantra-Jain/unextcasesstudy/': The requested URL returned error: 403
13 Error: Process completed with exit code 128.

> ✓ Post Checkout Repository
> ✓ Complete job
```

Workflow permissions

Choose the default permissions granted to the GITHUB_TOKEN when running workflows in this repository. You can specify more granular permissions in the workflow using YAML. [Learn more about managing permissions.](#)

☒ Read and write permissions

Workflows have read and write permissions in the repository for all scopes.

☐ Read repository contents and packages permissions

Workflows have read permissions in the repository for the contents and packages scopes only.

Choose whether GitHub Actions can create pull requests or submit approving pull request reviews.

☒ Allow GitHub Actions to create and approve pull requests

Save

After Giving Permissions Below is screenshot of successfully automating via GitHub Workflow.

Re-run triggered now

Status

Total duration

Mantra-Jain → 45ba843 main

Success

16s

main.yml

on: push

✓ fetch_and_push_file6s

✓ pull_file2s

✓ manual_dispatch0s

Workflow file for this run

github/workflows/main.yml at 602f522

```
1 name: File Operations Workflow
2
3 on:
4   push:
5     branches:
6       - main
7   pull_request:
8     branches:
9       - main
10  workflow_dispatch:
11
12 jobs:
13   fetch_and_push_file:
14     runs-on: ubuntu-latest
15     steps:
16       - name: Checkout Repository
17         uses: actions/checkout@v3
18
19       - name: Fetch SwapVariables.py
20         run: |
21           curl -o SwapVariables.py https://raw.githubusercontent.com/jissodesates/Sample-Python-Programs/master/SwapVariables.py
22
23       - name: Add and Commit SwapVariables.py
24         run: |
25           git config --global user.name "FreasyCoder8"
26           git config --global user.email "polasharsh@gmail.com"
27           git add SwapVariables.py
28           git commit -m "Fetch and commit SwapVariables.py from external repository"
29           git push origin main
30
31   pull_file:
32     runs-on: ubuntu-latest
33     steps:
34       - name: Checkout Repository
35         uses: actions/checkout@v3
36
37       - name: Pull SwapVariables.py
38         run: |
39           curl -o SwapVariables.py https://raw.githubusercontent.com/jissodesates/Sample-Python-Programs/master/SwapVariables.py
40           cat SwapVariables.py
41
42   manual_dispatch:
43     runs-on: ubuntu-latest
44     steps:
45       - name: Manual Dispatch
46         run: echo "This job was manually triggered"
```

Mantra-Jain / unextcasestudy

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

File Operations Workflow

✓ Create main.yml #1

Summary

Jobs

✓ fetch_and_push_file

✓ pull_file

✓ manual_dispatch

Run details

Usage

Workflow file

fetch_and_push_file

succeeded 11 minutes ago in 6s

> ✓ Set up job

> ✓ Checkout Repository

> ✓ Fetch SwapVariables.py

> ✓ Add and Commit SwapVariables.py

> ✓ Post Checkout Repository

> ✓ Complete job

