GitHub Workflow Documentation for the Data-Analytics Repository

This document outlines the structured workflow for managing code contributions and collaboration in the Data-Analytics GitHub repository.

1. Main Repository Structure

> ➢ The Data-Analytics repository serves as the central repository for our project.
> ➢ It was created by team member Sedhuragavan and acts as the base repository containing the main branch.

2. Branch Structure

To organize our work effectively, the repository is structured with the following branches:

Main Branch

The main branch contains the stable, production-ready version of the project.

All finalized and reviewed code from sub-branches is merged here.

Sub-Branches

Three sub-branches were created from the main branch to categorize work:

- **AI/ML:** Dedicated to Artificial Intelligence and Machine Learning code and models.
- **DM:** Focused on Data Mining operations and related algorithms.
- **RPA:** Contains work related to Robotic Process Automation.

3. Individual Repositories

- From the sub-branches, individual team members create personal repositories (branches) named after themselves.
- Each team member works on their respective code in their individual repository.

4. Workflow Process

Step 1: Code Development

Team members develop and test their code in their respective branches.

Step 2: Code Upload

Completed code is uploaded to the respective individual branch.

Step 3: Pull Request Creation

- A pull request (PR) is created to merge the code from the individual branch into the respective sub-branch (AI/ML, DM, or RPA).
- The PR includes a detailed description of the code changes for better understanding during the review.

Step 4: Code Review

- The team conducts a code review to ensure quality, functionality, and adherence to standards.
- Feedback, if any, is addressed by the contributor.

Step 5: Merge to Sub-Branch

Once approved, the PR is merged into the corresponding sub-branch.

Step 6: Merge to Main Branch

After ensuring stability and integration of all sub-branches, they are merged into the main branch.

I hereby attached my screenshot the flow of the organization and workflow

sedhuragavan-l / Data-Analytics

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Code | Issues | Pull requests 1 | Actions | Projects | Wiki | Security | Insights

Data-Analytics Public

Watch 1 | Fork 0 | Star 0

Hari_Gokul_Srinivasan | 12 Branches | 0 Tags

Go to file | Add file | Code

This branch is 1 commit ahead of, 6 commits behind main .

#3

Hari Srinivasan PL/SQL Tasks | ac86949 · yesterday | 2 Commits

PL-SQL | PL/SQL Tasks | yesterday

D&A.txt | Initial Commit | yesterday

README

Add a README

Help people interested in this repository understand your project by adding a README.

Add a README

About

No description, website, or topics provided.

Activity
0 stars
1 watching
0 forks

Report repository

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Contributors 2

sedhuragavan-l

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14:50
22-11-2024
ENG

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Filters | is:pr is:open

Labels 9 | Milestones 0 | New pull request

1 Open | 2 Closed

Author | Label | Projects | Milestones | Reviews | Assignee | Sort

PL/SQL Tasks
#3 opened 6 hours ago by Harisrin2206

ProTip! Click a checkbox on the left to edit multiple issues at once.

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PL/SQL Tasks #3

Edit | Code

Open Harisrin2206 wants to merge 1 commit into main from Hari_Gokul_Srinivasan

Conversation 0 | Commits 1 | Checks 0 | Files changed 4

+308 −0

Harisrin2206 commented 6 hours ago Collaborator ...

No description provided.

PL/SQL Tasks   ac86949

✓ **This branch has no conflicts with the base branch**
Merging can be performed automatically.

Merge pull request ▾ You can also open this in GitHub Desktop or view command line instructions

Add a comment

Write | Preview   H B I ≣ <> 🔗 ≣ ≣ ≣ 📎 @ ⧉ ↩ ▢

Add your comment here

Reviewers ⚙
No reviews
Still in progress? Convert to draft

Assignees ⚙
No one—assign yourself

Labels ⚙
None yet

Projects ⚙
None yet

Milestone ⚙
No milestone

Development ⚙

Type here to search

14:50
ENG
22-11-2024

Merge pull request #3 from sedhuragavan-l/Hari_Gokul_Srinivasan

PL/SQL Tasks

This commit will be authored by 66545202+Harisrin2206@users.noreply.github.com

Confirm merge | Cancel

Add a comment

Write | Preview   H B I ≣ <> 🔗 ≣ ≣ ≣ 📎 @ ⧉ ↩ ▢

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PL/SQL Tasks #3

Edit | <> Code ▾

⑂ Merged Harisrin2206 merged 1 commit into main from Hari_Gokul_Srinivasan 🗗 now

💬 Conversation 0 | Commits 1 | Checks 0 | Files changed 4

+308 −0 ▪▪▪▪▪

Harisrin2206 commented 6 hours ago | Collaborator | ···

No description provided.

☺

⑂ | PL/SQL Tasks | ac86949

Harisrin2206 merged commit 5020244 into main now | Revert

Pull request successfully merged and closed | Delete branch
You're all set—the Hari_Gokul_Sriniva_ branch can be safely deleted.

Add a comment

Write | Preview | H B I ≡ <> 🔗 | ≣ ⋮≣ ☑ | 📎 @ ⎘ ↩ ⊡

Add your comment here...

Reviewers	⚙
No reviews	

Assignees	⚙
No one—assign yourself	

Labels	⚙
None yet	

Projects	⚙
None yet	

Milestone	⚙
No milestone	

Development	⚙
Successfully merging this pull request may close these issues.	
None yet	

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Community
Community Standards
Traffic
Commits
Code frequency
Dependency graph
Network
Forks
Actions Usage Metrics
Actions Performance Metrics

Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.

Owners	Nov
	21 22
sedhuragavan-l	

Keyboard shortcuts available ⓘ

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Pulse

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Dependency graph

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Actions Usage Metrics

Actions Performance Metrics

November 15, 2024 – November 22, 2024

Period: 1 week ▾

Overview

3 Active pull requests   **0 Active issues**

3 Merged pull requests	**0** Open pull requests	**0** Closed issues	**0** New issues

Excluding merges, **7 authors** have pushed **6 commits** to main and **9 commits** to all branches. On main, **0 files** have changed and there have been **0 additions** and **0 deletions**.

3 Pull requests merged by 3 people

PL/SQL Tasks
#3 merged 4 minutes ago

Sree's commit
#2 merged yesterday

sedhu-Initial commit
#1 merged yesterday