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Topic: Source Submission/Workflow Process

The Main Branch will represent all source code.

- Branch: **main**

Hot Fixes: When any bugs require immediate fix, we will create a branch from the main branch.

- Suffix: **h-**
- Merge Process: When the issue is fixed, we should merge the branch to the main branch via Pull Request which will be reviewed by a designated reviewer.

User Story: Specific branch designated for each user story.

- Suffix: **u-**
- Source: **main** or **other user story branch**
    - When one user story depends upon another user story which is yet to be merged into the main branch, a new user story branch based on the existing user story branch can be created.
    - Note: Link the branch and pull request to the corresponding user story issue
- Merge Process: When all features under the user story are merged into this branch, the team lead will send the Pull Request from this branch to the main branch, review the merge, and take actions accordingly.
- Example: u-base-code

Features: Specific branch designated for each feature or set of features.

- Suffix: **f-**
- Source: **user story branch (u-*)** or **other feature under same branch (f-*)**
    - Sometimes merging from feature branch to user story branch takes time. Developers cannot wait for the merge, to start another dependent feature. In that case, developer can create the branch from another feature branch)
    - Note: Link the branch and pull request to the corresponding feature issue
- Merge Process: Once the feature is completed, developer should send the Pull Request from the feature branch (f-*) to corresponding user story branch (u-*), and assign team lead as a reviewer.
- Note: For cases where the features are highly interlinked with each other, developers can use the same branch for the set of features. But Pull Request has to be created for each feature.

- Example: f-back-base, f-front-base

General Rule:

- All branch names should be in small letters
- Must start with the prefix according to the type mentioned above
- Give meaningful name after the prefix
- Must be separated by hyphen (-)
- Example:
  - u-test-case-1 : accepted
  - U-test_case_1: not accepted
  - h-testCase: not accepted
- Git name should not be unnecessarily long (try to make short name)
- Always pull before commit
  - If conflict in merge: resolve, test again, and commit