\*This document may only be written by project managers of the team

**1)Important folders to follow and work on:**

+Teamwork\_Rules\_Responsibilities

+Study\_Resources

+Design\_Plans\_Ideas

+Content (source code and project documents are in this folder)

**2) Program development cycle:**

Check Issues + Assignments

Check Ideas

Plan Ideas

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Project is completed

Submit-Upload

Improve features for the project

Please follow the rule above steps by steps when developing or contributing anything to this project

**A)Check Issues + Assignments**

a.1)Please check **the RQT\_Real\_Estate’s online GitHub Repository’s Issues tab** to see if there’s any new or existing issue that needs to be resolved

Ex:

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Notice that each issue on this page can be written by project managers or any contributors who noticed any issue happening with the project, and want others to help resolve them. To know how to write your issue document, please refer to the documents:

**RQT\_Real\_Estate\Teamwork\_Rules\_Responsibilities\Contributors\_Assignments\ Writing\_Issues\_and\_Assignments\_Rules.docx**

**RQT\_Real\_Estate\Teamwork\_Rules\_Responsibilities\Project\_Managers\_Assignments\ Writing\_Issues\_and\_Assignments\_Rules.docx**

Issues can be anything related to improve the features for the project, create new tools, enhance the codes, update documents, bug fixing, and so on. Each issue will be assigned to specific contributors and project managers to work on it.

The Labels on each issue will help others know if they can work on this issue or not.

For example, if an issue is being worked on by someone, it should be labeled as Claimed; If an issue has a Java label, all programmers who know how to work with Java can work on it; If an issue has “Project Managers” label, it only for project managers; If an issue is labeled “good first issue”, anyone who are new to the tech industry can work on it (this doesn’t mean to prevent others to work on it, but the main purpose is that this issue is easy to work on than others).

a.2) Please also check the folder **RQT\_Real\_Estate\Teamwork\_Rules\_Responsibilities** with all the documents inside to check **the rules** and **any incoming** and **existing issues** with **any incoming** and **existing assignments** to figure out the issues or assignments that you want to work on.

a.3) If you can think of any new issues or assignments to help enhance this project, please write your own document(s) to let us know

Please refer to these documents to know how:

**RQT\_Real\_Estate\Teamwork\_Rules\_Responsibilities\Contributors\_Assignments\ Writing\_Issues\_and\_Assignments\_Rules.docx**

**RQT\_Real\_Estate\Teamwork\_Rules\_Responsibilities\Project\_Managers\_Assignments\ Writing\_Issues\_and\_Assignments\_Rules.docx**

**B)Plan Ideas**

\*Please go to folder **RQT\_Real\_Estate/** **Design\_Plans\_Ideas/Project\_Ideas**, follow the rules, then write your ideas documents.

**C)Check Ideas**

\*When checking ideas, project managers will work with you when needed to make sure if they want to put those ideas into the project or not. After it, they will inform the team to put those ideas into the design steps.

\*As project managers, please write documents about these meetings so that we know what’s going on in those meetings.

\*As contributors, please write documents about these meetings so that we know what’s going on in those meetings.

**D)Design the Program**

\*In the design the program steps, please visit **RQT\_Real\_Estate/Design\_Plans\_Ideas/Design\_Plans** folder, follow the rules, and write your design documents.

**E)Programming Steps**

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+As programmers, developers, hackers, we want to work as a team to write programs that run smoothly, so it’s important that each member knows what’s going on with the technologies that they are dealing with for each tool of the project

=>If there’s any technique that you think can make the program run smoothly with less code and easy for other people to understand, then use it.

=>Please write comments or documents and explain your codes when needed

Please visit **RQT\_Real\_Estate/Content/Writing\_rules\_for\_coding\_explanations.docx** for more information on how to write your coding explanations documents

=>Please use procedure programming and object-oriented programming techniques to reduce as much codes as possible across any module of the project

=>If you write a function or a class, don’t write it too long, it’s really hard to scroll up and down to check errors or the logic of your code. No one wants to read a superclass that was written in java that contains 10000 lines of code if you know what I mean.

=>Please specify the name for variables, functions, methods, classes, objects, and so on in the way that human can read. If a function is used to activate a dropdown menu, please write the name for the function as activateDropdown instead of aD

=>Please spend time write documents to teach other members about the advanced technologies that you used if needed and put them into **RQT\_Real\_Estate/Study\_Resources** folder

=>We don’t care if you use code from ChatGPT or other AI tools, but let me remind you again, please explain the code

=>You may use any advanced algorithms to make life easier, but let me remind you again, please explain the god damn code

=>You may use any feature to unlock code with password or passcode for security purposes, please explain the code

=>You may use any feature to help the program automatically generate new code to help us save more time coding, please explain the god damn code

=>Don’t forget to test and correct errors, please, I’m begging you

**F) Submit-Upload**

First, please make sure that you’re working on this repository’s folder on your machine (or GitHub Codespaces). This means you already cloned this repository into your machine, and completed the steps to run it in IDEs’ Workspace environment. If not, please refer to this document:

**RQT\_Real\_Estate/Study\_Resources/Eclipse\_JavaFX\_SceneBuilder/ How\_Eclipse\_Work\_with\_GitHub\_Repository.docx**

⏬

Second, please make sure that you don’t modify, updated, or removed too much changes onto the project in case of commit and push your changes from your GitHub’s RQT\_Real\_Estate cloned repository to the main repository on GitHub Cloud at a time. When working on any pull request on GitHub, It’s really time consuming to work with each other to resolve too many issues at a time, so please make sure your pull request contains small changes each time only. For example, 5 new lines of code, 2 new images, a new function, a new button, a new MS Docs, and so on.

⏬

Please create a new branch on our [**RQT\_Real\_Estate**](https://github.com/phuongtrieu97coder/RQT_Real_Estate) GitHub repository with the name like update\_content\_from\_your\_name

⏬

**Commit your changes to GitHub using GitHub software or Git Bash**

+ Please write the title follow format:

cmit\_from\_yourGitHubUserName\_date\_time

Ex: cmit\_from\_johngjk7452\_04\_02\_2025\_9:24:AM

+Please write a little description of the changes in details with information related to contributors names and GitHub Usernames, What changes you did make, the files-lines-documents that will be updated, modified or removed by the changes (Git Bash doesn’t support writing the description section. So if you use Git Bash, you can keep it for the pull request information later)

Ex:

|  |
| --- |
| +Contributors:  Name: Marlo. GitHub’s Username: marldk7156yu.  +Changes Description:  I just updated the content from the Programming\_Rules.docx document by adding some Submit-Upload section rules like Commit changes to GitHub, and Push changes to GitHub. |

⏬

**Push content changes to GitHub.**

⏬

**Create a pull request so that we can check your commit.**

During this step, you may see a yellow notification banner like this when you check the RQT\_Real\_Estate repository’s main page on GitHub

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In this case, you can click Compare & pull request

If you don’t see the yellow notification banner above, click A close up of a sign

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**Choose your branch’s name to switch to it**

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You may see the notice “This branch is 1 commit ahead of,…..”. Please click “1 commit ahead of” highlighted link

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you can keep the title and description by default with information from the commit steps unless you have more time to write new ones (if so, please follow the steps to write the title and description from the commit steps above)

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Please assign any contributors’ GitHub account who collaborate with you on the changes to your pull request page’s Assignees section.

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If you can, please assign the project managers’ GitHub accounts to the Reviewers section to help us save more time (If you don’t do it, project managers will do it anyway. But if you do, we really appreciate it)

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Because I’m the owner of this repository, I can see the option

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On the pull request page above, you can see that you need at least 1 approve in order to merge the changes content into the repository’s main branch which mean the project managers will need to check your pull request soon

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Here you can add more comments or close the pull request when needed.

⏬

The project managers will check need to check this pull request in 1-2 days.

Project managers will check the changes based on codes, how they test the program on their machines, the code explanation documents, the design plans documents, and so on to make sure everything works well.

⏬

Project managers will write comments onto the pull request page to inform the contributors and other project managers about any issue happening or to help others know that there’s no issue with the changes.

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The team will work on the pull request until every issues resolved.

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All managers approve the changes.

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The repository’s owner will merge these changes to the main project repository.

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A screenshot of a chat

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**G) Project is completed**

When the team completes the project, we will find ways to show it to the world. If we can’t, at least we have a portfolio project to put into our resume or LinkedIn accounts’ project experience feature.

**Notice that a completed project doesn’t mean that it should not be improved in the future. In case of improvement, please follow the step g) below**

**H) Improve features for the project**

The team may improve any features for the project when needed to improve user experience and the workflow.

**During this step, just follow the program development cycle again to know what to do**

**3.Structure of the project’s GitHub Repository**

Please visit **RQT\_Real\_Estate/Design\_Plans\_Ideas/Project\_Structure\_Hierarchies\_GitHub.docx**

**4.Structure of the project on Cloud Service platform (if exists)**

Please visit **RQT\_Real\_Estate/Design\_Plans\_Ideas/Project\_Structure\_Hierarchies\_Cloud.docx**

**5.Structure of the project on DevOps platform (Docker, Kubernetes) (if exists)**

Please visit **RQT\_Real\_Estate/Design\_Plans\_Ideas/Project\_Structure\_Hierarchies\_DevOps.docx**

**6) Team members’ Responsibilities and Assignments**

Please visit **RQT\_Real\_Estate/Teamwork\_Rules\_Responsibilities/Project\_Managers\_Responsibilities.docx**, and **RQT\_Real\_Estate/Teamwork\_Rules\_Responsibilities/Contributors\_Responsibilities.docx** documents

For assignments, please visit

**RQT\_Real\_Estate/Teamwork\_Rules\_Responsibilities/Project\_Managers\_Assignments** folder **RQT\_Real\_Estate/Teamwork\_Rules\_Responsibilities/Contributors\_Assignments** folder

**7)Plagiarism and Honor people’s Contributions-Inventions Rules:**

To prevent plagiarism issues, please use some effective writing techniques like paraphrase, citation, and so on when writing content for the app.

To honor people’s contributions and inventions, if you put anything into this project that was made by someone else, please put their names-study resources(books, videos, articles, blogs, and so on ) into the **RQT\_Real\_Estate/Study\_Resources** folder. You can put the resources that you learned in order to create something into that folder too so that other members can study it later.

By doing something like this, you can reduce the amount of time that you have to use to teach someone about any tools that they haven’t learned before too.