**Development Plan**

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| **Employee Name** | Nguyen Quoc Huy | **Manager Name** | Le Minh Hoa |
| **Department** | Admin/Developer | **Plan Date** | March 2, 2022 |
| **Job Title** | Programmer | **Date of Last Plan** | April 12, 2022 |

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| **Task Goals** | **Employee Task Goal Details** | |
| **Detail** | **Date to be Achieved By** |
| Design the login page and implement the decentralization for three roles admin, user, Q&a manager | Design the login page for users to access each different role, the user's information is stored in a database of user information including full name, email, password and user role use. Once there is data in the database, then provide account information for the user to log in, if you are an admin, you can access the page to edit and delete the user's information, about the user will access the homepage and can use its features, and eventually the Q&A manager will access the page to edit and delete categories. | March 5, 2202, By Huy |
| Design the posting page | Next, we will design a form for the posting page so that users can post articles including the content, upload files, categories and submit, and submit. | March 12, 2202, By Huy |
| Implement comment function, display comment, and reply comment | After the user post-process and is saved to the database, at this time the database will push up on the website displaying the article content, and right at the page displaying the article content, there will be a section for users to comment. Comment on posts, as well as being able to respond to previous comments and view a list of responses. | March 20, 2022, By Huy |

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| **Knowledge skills** | **Employee Skill Development Details** | | |
| **Necessary Skills** | **Next Steps to Build Skills** | **Comments** |
| Design the login page and implement the decentralization for three roles admin, user, Q&a manager | Have design skills and user authorization | Step 1: Design the form for the user login part  Step 2: Create a database, manipulate tables with variables, enter data into the database and assign permissions for each user.  Step 3: Perform input data check  Step 4: Make edits, deletes in the database of phpAdmin  Step 5: Perform output data check | This feature has been completed, but during the implementation process, there was an error when doing that is setting the wrong variable, entering the wrong data or missing data in the database, not considering the correct conditions for the data. data and lacks some syntax errors during function execution, but has overcome the above difficulties. |
| Design the posting page | Layout skills for the article posting page. | Step 1: Design the posting page with the necessary components.  Step 2: Edit, add, and change the post page layout.  Step 3: Testing | This part is mainly the layout of the user's post page. However, during the design process, there were some problems with the article page layout not being suitable and incorrect, but this process after finding the cause and fixing the error. |
| Implement comment function, display comment, and reply comment | Skills in implementing the comment function for posts, responding to comments, and displaying comment lists | Step 1: Create two tables in the database including comments, and reply comments, perform manipulations with variables, consider conditions and save them in the database.  Step 2: Layout the comment section in the article display so that users can comment as well as reply to comments.  Step 3: Import data from the outside to check whether the input data has been stored in the database.  Step 4: Check the variables and data that have been set, edited, and deleted in the database.  Step 5: Check the output of data displayed from the database in the comment section. | When implementing this function, this feature is quite complicated when the comment feature must be displayed right on the comment section of that article after commenting, besides in each comment there must be a reply to the comment. there. there. This has some difficulty when implementing this feature that the data imported from outside in the comments section is not saved to the database, so the data from the database is not displayed in the comments section. , considering conditions for variables are not clear, wrong data input, and missing syntax leads to an error, but after finding the cause of the error, it has been resolved. |

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| **Potential Distractions** | **Potential Distraction Details Details** | | |
| **Potential Distractions** | **Steps to Avoid Distractions** | **Comments** |
| Design the login page and implement the decentralization for three roles admin, user, Q&a manager | Incorrect input, missing data, incorrect setting of variables and unclear conditions of variables lead to data not being connected, not storing data in the database as well as users not being able to access the website. according to each person's role. | Step 1: Focus on variables declared in the database, consider suitable conditions, enter full data, assign permissions for each user, in the implementation process. Step 2: Execute each statement in a clear sequence, check syntax, errors. Step 3: Check whether the input data is stored in the database. Step 4: Edit, add, delete in the database. Step 5: Test access to each user's information with different roles including user, admin, Q&A manager. | The above issue has been resolved. |
| Design the posting page | The post page layout is uneven, misleading, | Step 1: Design a full, detailed and sequential article page layout.  Step 2: Review, edit, add, delete for page layout  Step 3: Testing | The above issue has been resolved. |
| Implement comment function, display comment and reply comment | Do not display data on the comment page, the data is not stored in the database, it is possible that manipulating variables or considering conditions for variables is not correct, leading to data not being displayed in the comment section. | Step 1: Make the design for the comment section and reply to the comment to ensure the complete layout.  Step 2: Create fully two parts of data to store and link correctly with the database.  Step 3: Check the syntax or data fields in the database.  Step 4: Is the uploaded data correct, then edit or check for errors to ensure successful data saving | The above issue has been resolved. |

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| **Response** | **Reviewer Comment** |
| As a team member who is responsible for performing the tasks assigned by the team leader, besides ensuring the progress, and completion on time, with the assigned tasks including, decentralization, category post, comment and reply comment, like and dislike, all done in a sequential manner.  In addition, after completing the assigned tasks, it will help the members as well as monitor the work progress in the group such as which jobs are not completed or what errors need to be fixed for the members in group. |

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| **Final Signatures** | **Employee signature** | Huy | **Reviewer signature** | Group Member |
| **Date** | March 27, 2022 | **Date** | April 5, 2022 |