LUPONG TAGAPAMAYAPA INCENTIVES AWARD (LTIA)

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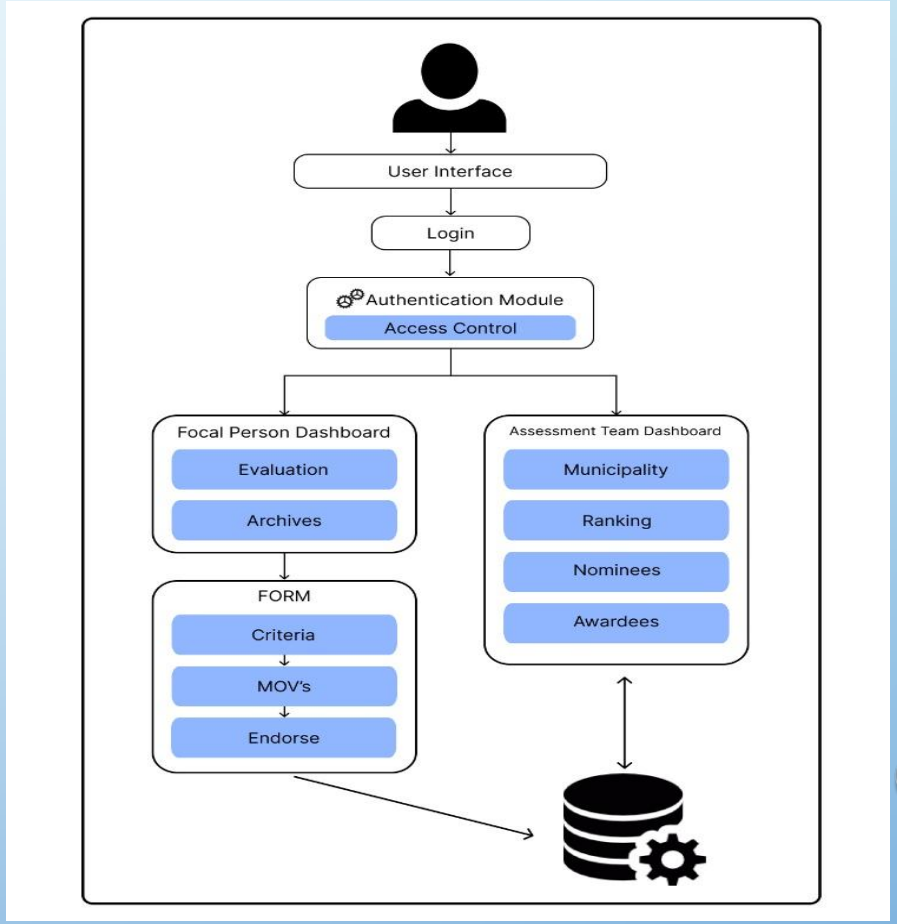
INTRODUCTION TO THE SYSTEM

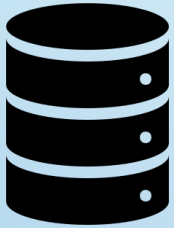
- LUPONG TAGAPAMAYAPA INCENTIVES AWARD IS A SYSTEM DEVELOPED FOR DILG WHERE IT INTENDS TO REPLACE THE MANUAL PROCESS OF GRADING AND NOMINATING A BARANGAY IN A MUNICIPALITY. USERS OF THE SYSTEM MUST COMPLY WITH THE CRITERIA CREATED BY DILG, AND IT ALSO HAS A NOMINATION AND AWARD FOR A GOOD-PERFORMING BARANGAY AND MUNICIPALITY.

SYSTEM ARCHITECTURE

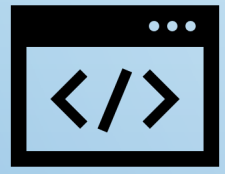
- SYSTEM ARCHITECTURE IS THE BLUEPRINT OF THE PROJECT, WHICH CONSISTS OF THE PROCESS OF THE SYSTEM ONCE IT IS DEVELOPED. IT ALSO DEFINES THE STRUCTURE OF THE SYSTEM AND BEHAVIOR.



KEY COMPONENTS OF THE PROJECT



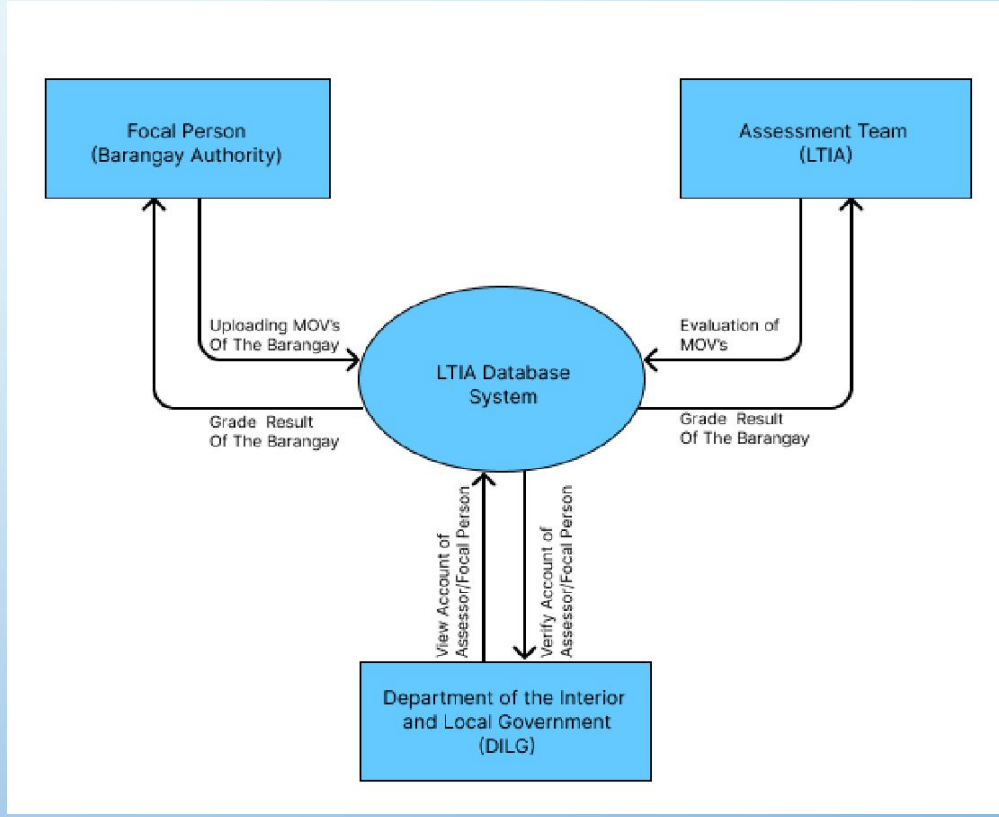
BACK END – The back end used for developing the project is MySQL. The reliability of MySQL meets our needs for developing the project. And for backup, we can easily download the database quickly.



FRONT END – We use HTML, PHP, Bootstrap, and JavaScript language to make our website complex and easy to use. With the use of these coding languages, we can easily meet the users in terms of accessibility. Also, we used Figma to make our prototype and visualize what would be the finished product of the project.

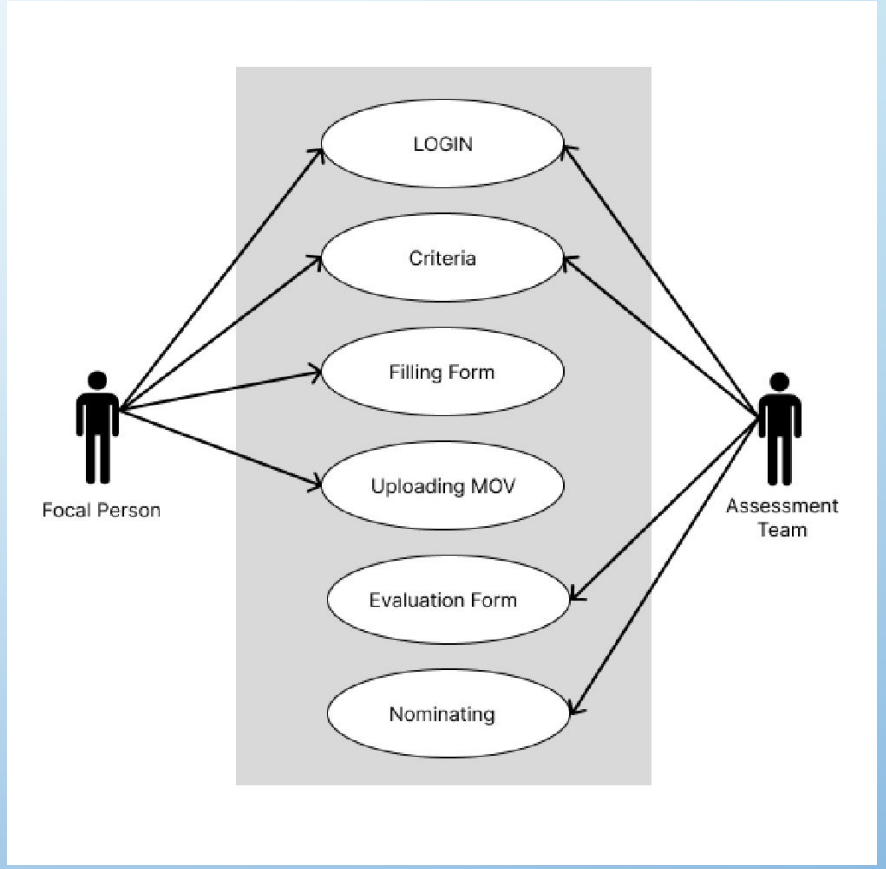
DATA FLOW OF THE PROJECT

- THE DATA FLOW CONSISTS OF 3 ENTITIES, WHERE THE BARANGAY USER NEEDS TO UPLOAD MOV WHERE IT FOLLOWS THE CRITERIA. ONCE IT IS SUBMITTED, THE ASSESSMENT TEAM GRADES THE FILE ACCORDING TO THE POINT SYSTEM DEVELOPED. ONCE IT IS DONE, DILG WILL COMPILE THE GRADES OF BARANGAY IN EVERY MUNICIPALITY SORTED FROM HIGHEST TO LOWEST. AND AWARDING IS HELD BY DILG. ALL OF THE FILES ARE SAVED IN THE DATABASE.



SYSTEM INTERACTION

- SYSTEM INTERACTION CONSISTS OF TWO USERS. EACH USER HAS RESTRICTIONS USING THE SYSTEM. THE BARANGAY USER (FOCAL PERSON) WILL ONLY UPLOAD FILES. FOCAL PERSON DON'T HAVE ACCESS TO THE ASSESSMENT TEAM MODULE. ASSESSMENT TEAM ONLY THING TO DO IS TO PUT GRADE IN EACH FILE UPLOADED BY FOCAL PERSON. ASSESSMENT TEAM WILL ALSO NOMINATE BARANGAY IN EVERY MUNICIPALITY OR CITY.



CONCLUSION

- IN CONCLUSION, THE INTEGRATION OF CODING LANGUAGES HTML, PHP, JAVASCRIPT, AND BOOTSTRAP. FOR THE BACKEND, MYSQL FORMS AN EFFICIENT AND COMPREHENSIVE WORKFLOW FOR GRADING, AND NOMINATING BARANGAYS IN EVERY MUNICIPALITY. THE AVAILABILITY OF THE FOUR CODING LANGUAGES PROVIDES A SOLID FOUNDATION FOR PLANNING TO DEVELOP THE WEBSITE. WHILE MYSQL PROVIDES HANDLING UPLOADED FILES AND DATA STRUCTURE OF THE SYSTEM.