**PLAN FOR FINAL PROJECT**

Course: Software Testing

Project name: Building a restaurant management system.

Group No: 03

Group members:

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1) General description of the project:

The project "Restaurant Management System" aims to ensure that the software, developed to manage all aspects of a restaurant, operates efficiently and reliably.

In this project, we conduct testing in various areas. First, we test the functionality to ensure that the system can effectively manage orders, reservations, and menu updates. Next, we assess usability to ensure a user-friendly interface for all restaurant staff.

We also perform integration testing to ensure the system operates smoothly when integrated with external systems and services, such as payment gateways and third-party delivery services.

Furthermore, we test performance to make sure the system can handle maximum workloads without issues. Security is a crucial aspect, as we must ensure the safety of customer data and restaurant information.

Finally, we ensure that the system complies with industry regulations and standards, such as food safety laws and data protection regulations. The end result of the project will be a detailed report on the system's status, including the identification of issues and recommendations for improvements to ensure the system functions well in restaurant management.

2) Detailed plan:

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| --- | --- | --- | --- | --- | --- | --- |
| Week | Duration | Tasks | Student in charge | Expected results / products | Date of completion | Completion Rate |
| 1 | 23/10 – 29/10 | Making a plan to carry out the final project | Cả nhóm | Completing the plan for final project | 28/10 | 100% |
| 2 | 30/10 – 5/11 | (1) Writing requirements specification and modeling  (2) Creating a functional diagram and describe in detail the functions of the system | (1) Nhật, Khải  (2) Phước, Trí | * Completing the specification * Completing functional diagrams and detailed descriptions of functions |  |  |
| 3 | 6/11 – 12/11 | (1) Planning testing methods (unit, integration, system, acceptance,...)  (2) Writing White box testing | (1) Phước, Trí  (2) Cả nhóm | * Complete the test plan * Complete white box testing |  |  |
| 4 | 13/11 – 19/11 | Designing a set of test cases (at least 50 - black box testing) | Cả nhóm | Completing test cases |  |  |
| 5 | 20/11 – 26/11 | (1) Installing a bug management system  (2) Writing bug reports for test cases that do not pass | (1) Nhật, Khải  (2) Cả nhóm | * Completing an error management system * Complete bug reports |  |  |
| 6 | 27/11 – 3/12 | Checking and write reports | Cả nhóm | Report |  |  |

Notes:

* Student(s) in charge:
* Expected results / products: