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| **PROJECT ON**  **(Project Title)** |

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| **Developed by**  **Members:**   |  |  |  | | --- | --- | --- | | **No.** | **Student Name** | **Student ID** | | 1 | Nguyen Toan Hong Thai | Student1414694 | | 2 | Tang Anh Thu | Student1406389 | | 3 | Vo Tan Nam Quoc | Student1430689 | | 4 | Tran Nguyen Thanh Phong | Student1414689 |  * **Class No.: C2208G2** * **Start Date:12/06/2023** * **End Date:12/07/2023** * **Name of the Coordinator: Bui Duy Khiem** * **Date of Submission: 12/07/2023** |

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| **SYSTEM ANALYSIS** |

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| **System Summary:**  **The topic of my group's project is FANoFAN, in which we use the following software:**   * Visual Studio * MySQl * HeidiSQL   **And the technologies used in it:**   * Html * Css * Bootstrap * Ajax * Php/Laravel   **The functions included in the website:**   * Role admin, user * CRUD Product * CRUD Category * CRUD User * Search * Filter * Chat box |

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| **CLASS DIAGRAM** |

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| **DATABASE DESIGN** |

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| **Database Name:fanofan**  **Number of tables: 5**  **Tables Names:**   1. user 2. product 3. photo 4. feedback 5. category   **Schematic Diagram Of Database:**  Schematic diagram of the database depicting the primary and foreign key  relationships. |

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| **TABLE DESIGN** |

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| **Database Name:fanofan**  **Name Table 1: USER**   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data type | Width | Description | | id | Int | 10 | User ID | | Username | Varchar | 50 | The name of user | | Email | Varchar | 100 | The email of user | | Phone | Char | 10 | The number phone of user | | Password | Varchar | 255 | The password of user | | User\_type | Char | 5 | Different between user & admin | | Is\_verified | Tinyint | 3 | Verified account | | Token | Varchar | 255 |  | | Avatar | varchar | 50 | Images of user |   **Name Table 2: product**   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data type | Width | Description | | Id\_product | Int | 10 | Product ID | | Name\_product | Varchar | 100 | The name of product | | Money | Decimal | 18,2 | The price of product | | Content | Text |  | The content inside the web | | Id\_category | Int | 10 | Category ID | | Deleted\_at | Datetime |  | Deleted 1 product if it have something wrong |   **Name Table 3: photo**   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data type | Width | Description | | Id\_photo | Int | 10 | Photo ID | | Value | Varchar | 50 |  | | Status | Decimal | 1 |  | | Id\_product | Int | 10 | Product ID | | Deleted\_at | Datetime |  | Deleted 1 photo if it have something wrong |   **Name Table 3: feedback**   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data type | Width | Description | | Id\_ | Int | 10 | Feedback ID | | Id\_user | Int | 10 | User ID | | Id\_product | Int | 10 | Product ID | | Comment | Text |  | Review 1 product after use | | Date\_to | Timestamp |  | Display date & time after user feedback |   **Name Table 5: category**   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data type | Width | Description | | Id | Int | 10 | Category ID | | Name | Varchar | 50 | The name of category | | Deleted\_at | Datetime |  | Deleted 1 category if it have something wrong | |

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| **VALIDATIONS PERFORMED** |

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| **Database Name:fanofan**  **Name Table 1:user**   |  |  | | --- | --- | | Validation Required | Method Used For Validation | | Id\_ | Primary key constrain | | Username | unique | | email | unique |   **Name Table 2:product**   |  |  | | --- | --- | | Validation Required | Method Used For Validation | | Id\_product | Primary key constrain | | Id\_category | Foreign key | | Name\_product | unique | |  |  |   **Name Table 3:photo**   |  |  | | --- | --- | | Validation Required | Method Used For Validation | | Id\_photo | Primary key constrain | | Id\_product | Foreign key | |  |  |   **Name Table 2:feedback**   |  |  | | --- | --- | | Validation Required | Method Used For Validation | | Id | Primary key constrain | | Id\_product | Foreign key | | Id\_user | Foreign key |   **Name Table 2:category**   |  |  | | --- | --- | | Validation Required | Method Used For Validation | | id | Primary key constrain | | Name | unique | |  |  | |

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| **DATA FLOW DIAGRAM** |

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| **Data Flow Diagram representing the control flow of Project Case Study.** |

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| **(WEB/WINDOWS) FORMS OUTLINE** |

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| **Forms Name** | **Description** |
|  | Sign-in form is clean |
|  | Register form is clean |
|  | The admin page displays newly added products and customer feedback |
|  | CRUD fully functional category page |
|  | The photo page is used to add images and edit the main and secondary images for the product |
|  | Photo management page used to edit primary and secondary photos and delete |
|  | Product page used to add products |
|  | Product management page used to delete and edit, update, show products |
|  | Feedback management page is used to view user comments |
|  | Page used to change password admin |
|  | Recycle page to restore and delete |
|  | User page with edit, update |
| **A screenshot of a computer  Description automatically generated** | Contact page show the address and use it to contact the company |
|  | Index show the latest menus and products with the search function and chatbox |

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| **CONFIGURATION** |

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| **Software & Technology Used:**  **+ Software**  - Visual Studio  - MySql  -HeidiSQL  **+ Technology**  -Html,Css  -Bootstrap  -Ajax  -Php/Laravel  -Chat box |

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| **PROJECT TIMELINES** |

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| **S.No.** | **Task to be performed** | **Time** |
| 1 | Database, create feedback product, create category, | 1 week |
| 2 | CRUD product, role, | 1 week |
| 3 | CRUD user, send email | 1 week |
| 4 | Filter, chat box | 1 week |

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| **INDIVIDUAL PROJECT SCHEDULE** |

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| **S.No.** | **Activity Description** | **Responsibility** |
| **1.** | Search, create feedback | Nguyen Toan Hong Thai |
| **2.** | Select view index | Tang Anh Thu |
| **3.** | Edit,update user | Vo Tan Nam Quoc |
| **4.** | CRUD Admin | Tran Nguyen Thanh Phong |