**Blank Project Documentation**

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| PROJECT ON : Diploma in Web Developing |

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| **Developed by**    **Name: JUSTICE ANKOMAH Reg.No:R173006200315**  **Name: EVA AMANKONA Reg No: R173006200316**  **NIIT** |

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| **Batch Code : BTC10720**  **Start Date :**  **End Date :**  **Name of the Coordinator : AUGUSTINE DANSO**  **Name of Developer : JUSTICE ANKOMAH**  **Name of Developer : EVA AMANKONA**  **Date of Submission:** |

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| **Project Title**: **Human resource management system** |

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| **CERTIFICATE**  **This is to certify that this report titled project in web development, embodies the original work done by Eva Amankona and Justice Ankomah in Partial fulfillment of their course requirements at NIIT.**  **Coordinator:Mr.Augustine Danso** |

**ACKNOWLEDGEMENT**

**I would like to express my special thanks of gratitude to my teacher MR.   
Augustine Danso who gave me the golden opportunity to do this wonderful project on the topic Human Resource Management System, which also helped me in doing a lot of Research and I came to know about so many new things I am really thankful to him.  
Secondly I would also like my friends who helped me a lot in finalizing this project within the limited time frame.**

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| SYSTEM ANALYSIS |

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| System Summary:  Processor: Intell(R)Core(TM) i3-2330M CPU @ 2.20GHz 2.20GHz  Installed memory(RAM): 6.00GB (5.98 GB usable)  System type: 64-bit Operating System, x64-based processor  Pen and Touch: No Pen or Touch Input is available for this display |

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| HARDWARE AND SOFTWARE REQUIREMENTS |

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| Hardware: mini laptop computer  Operating system:64 bite core i3 operating system  Software: MySQL, visual studio, NetBeans, google chrome |

**INDIVIDUAL PROJECT SCHEDUAL**

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| **S.**  **NO.** | **ACTIVITY Description** | **Planned Date of**  **Completion** | **Actual Date** | **Responsibility** | **Remarks** |
| **1** | **Design the database.** | **16/03/2019** | **17/03/2019** | **Design the**  **Database.** | **80%** |
| **2** | **Design the welcome page** | **17/03/2019** | **17/03/2019** | **Design the welcome**  **page** | **81%** |
| **3** | **Build the admin manager login system and it validations.** | **19/03/2019/** | **20/03/2019** | **Build the admin manager login system and it validations.** | **70%** |
| **4** | **Build the dashboard interface.** | **21/03/2019** | **22/03/2019** | **Build the dashboard interface.** | **70%** |
| **5** | **Build the employee page** | **22/03/2019** | **22/03/2019** | **Build the employee page** | **80%** |
| **6** | **Build the holiday and the leave system** | **23/03/2019** | **23/03/2019** | **Build the holiday and the leave system** | **80%** |
| **7** | **Build the branch section page** | **24/03/2019** | **24/03/2019** | **Build the branch section page** | **70%** |
| **8** | **Build the payroll section page** | **24/03/2019** | **25/03/2019** | **Build the payroll section page** | **70%** |
| **9** | **Plot a chat** | **25/03/2019** | **26/03/2019** | **Plot the page chat** | **80%** |
| **10** | **Perform all form validations** | **26/03/2019** | **27/03/2019** | **Perform all form validations** | **70%** |
| **11** | **Text all the section of the website** | **27/03/2019** | **27/03/2019** | **Text all the section of the website** | **70%** |

**DATABASE DESIGN**

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**TABLE DESIGN**

Branches

|  |  |
| --- | --- |
| **field** | **type** |
| Branch\_id | Int(11) |
| Branch\_name | Varchar(30) |

**Employee\_details**

|  |  |
| --- | --- |
| **field** | **type** |
| employee\_id | Int(11) |
| employee\_first\_name | 'varchar(20) |
| employee\_last\_name | varchar(20) |
| employee\_email | varchar(40) |
| employee\_position | varchar(20) |
| employee\_branch | varchar(20) |
| 'salary\_id | int (11) |

**Salary table**

|  |  |
| --- | --- |
| **fields** | **type** |
| salary\_id | int(11) |
| salary\_amount | varchar(20) |
| tax\_amount | varchar(20) |

**Hrm\_members\_table**

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| --- | --- |
| **fields** | **type** |
| board\_member\_id | int(11) |
| board\_member\_first\_name | varchar(20) |
| board\_member\_last\_name | varchar(20) |
| board\_member\_position | varchar(20) |
| email\_address | varchar(40) |

**Holiday\_list table**

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| --- | --- |
| fields | type |
| holiday\_id | int(11) |
| event\_name | varchar(40) |
| start\_date | varchar(40) |
| end\_date | varchar(40) |

**Working days table**

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| --- | --- |
| days\_id | int(11) |
| monday | varchar(20) |
| tuesday | varchar(20) |
| wednessday | varchar(20) |
| thursday | varchar(20) |
| friday | varchar(20) |
| saturday | varchar(20) |
| sunday | varchar(20) |

**Leave category table**

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| --- | --- |
| **fields** | **type** |
| leave\_id | int(11) |
| category\_name | varchar(40) |

**VALIDATIONS PERFORMED**

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| **// On submitting form below function will execute.**  **if(isset($\_POST['submit'])){**  **if (empty($\_POST["name"])) {**  **$nameError = "Name is required";**  **} else {**  **$name = test\_input($\_POST["name"]);**  **// check name only contains letters and whitespace**  **if (!preg\_match("/^[a-zA-Z ]\*$/",$name)) {**  **$nameError = "Only letters and white space allowed";**  **}**  **}**  **if (empty($\_POST["email"])) {**  **$emailError = "Email is required";**  **} else {**  **$email = test\_input($\_POST["email"]);**  **// check if e-mail address syntax is valid or not**  **if (!preg\_match("/([w-]+@[w-]+.[w-]+)/",$email)) {**  **$emailError = "Invalid email format";**  **}**  **}**  **if (empty($\_POST["website"])) {**  **$website = "";**  **} else {**  **$website = test\_input($\_POST["website"]);**  **// check address syntax is valid or not(this regular expression also allows dashes in the URL)**  **if (!preg\_match("/b(?:(?:https?|ftp)://|www.)[-a-z0-9+&@#/%?=~\_|!:,.;]\*[-a-z0-9+&@#/%=~\_|]/i",$website)) {**  **$websiteError = "Invalid URL";**  **}**  **}**  **if (empty($\_POST["comment"])) {**  **$comment = "";**  **} else {**  **$comment = test\_input($\_POST["comment"]);**  **}**  **if (empty($\_POST["gender"])) {**  **$genderError = "Gender is required";**  **} else {**  **$gender = test\_input($\_POST["gender"]);**  **}**  **}**  **function test\_input($data) {**  **$data = trim($data);**  **$data = stripslashes($data);**  **$data = htmlspecialchars($data);**  **return $data;**  **}**  **// validation ends here //**  **?>** |

**Log in form validation**

**CONTROL FLOW DIAGRAM**

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| Start  Display login page  Process login page    **true**  False  Login    If no event happen for 5 minute  Display item details  True    If dashboard item is clicked?  Display dash  Board items |