

UNIVERSITY OF SAN CARLOS

SCHOOL OF ARTS AND SCIENCES

DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

TALAMBAN HEALTH CENTER

A PROTOTYPE

FINAL PROJECT OUTPUT

IT 2202

Database Systems

By:

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Piamonte, Danielle Ann S.

1. Introduction

Talamban Health Center

**Owner** Department of Health

**Branches/Location**

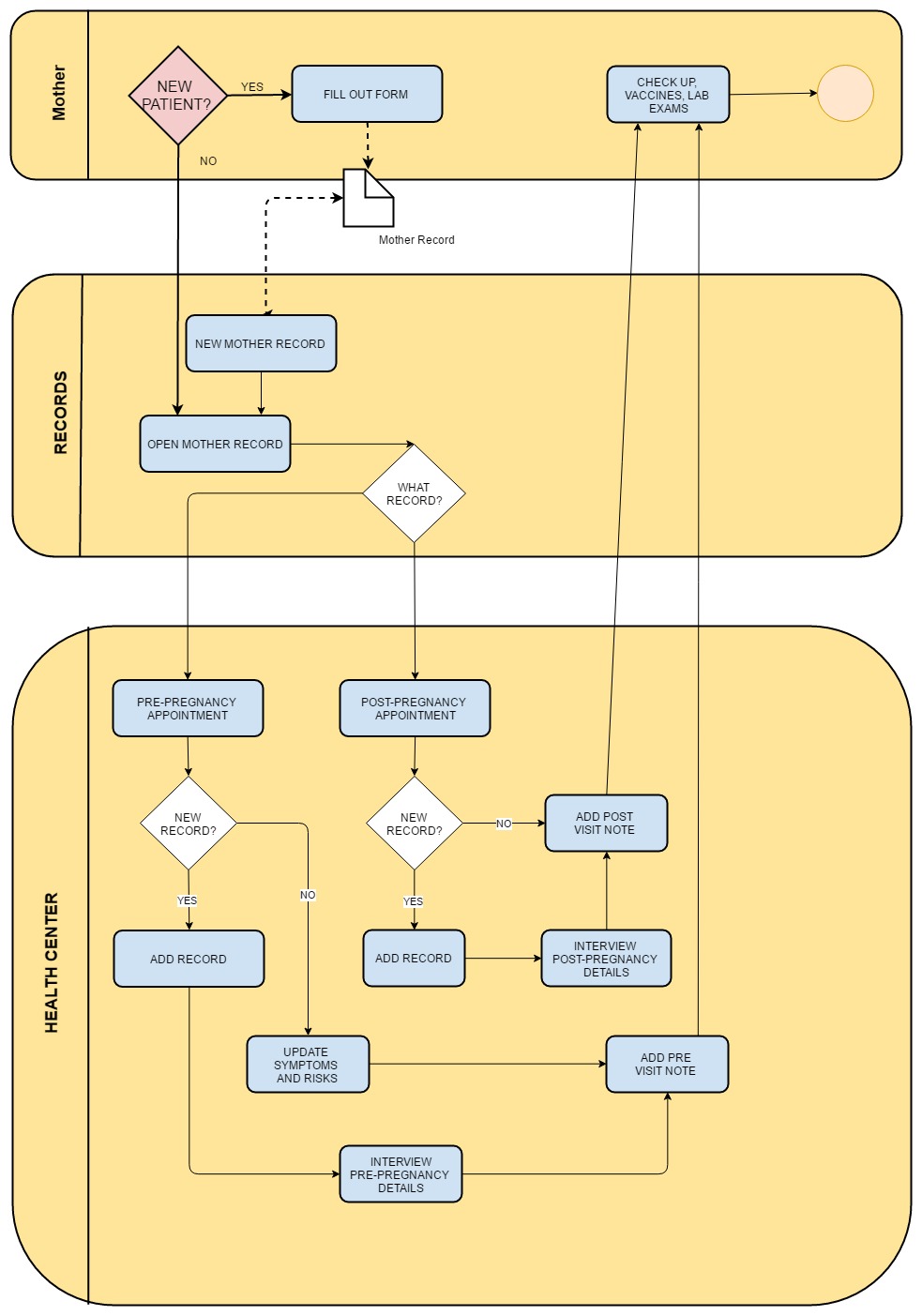
* Talamban, Cebu City

**Employees**  27

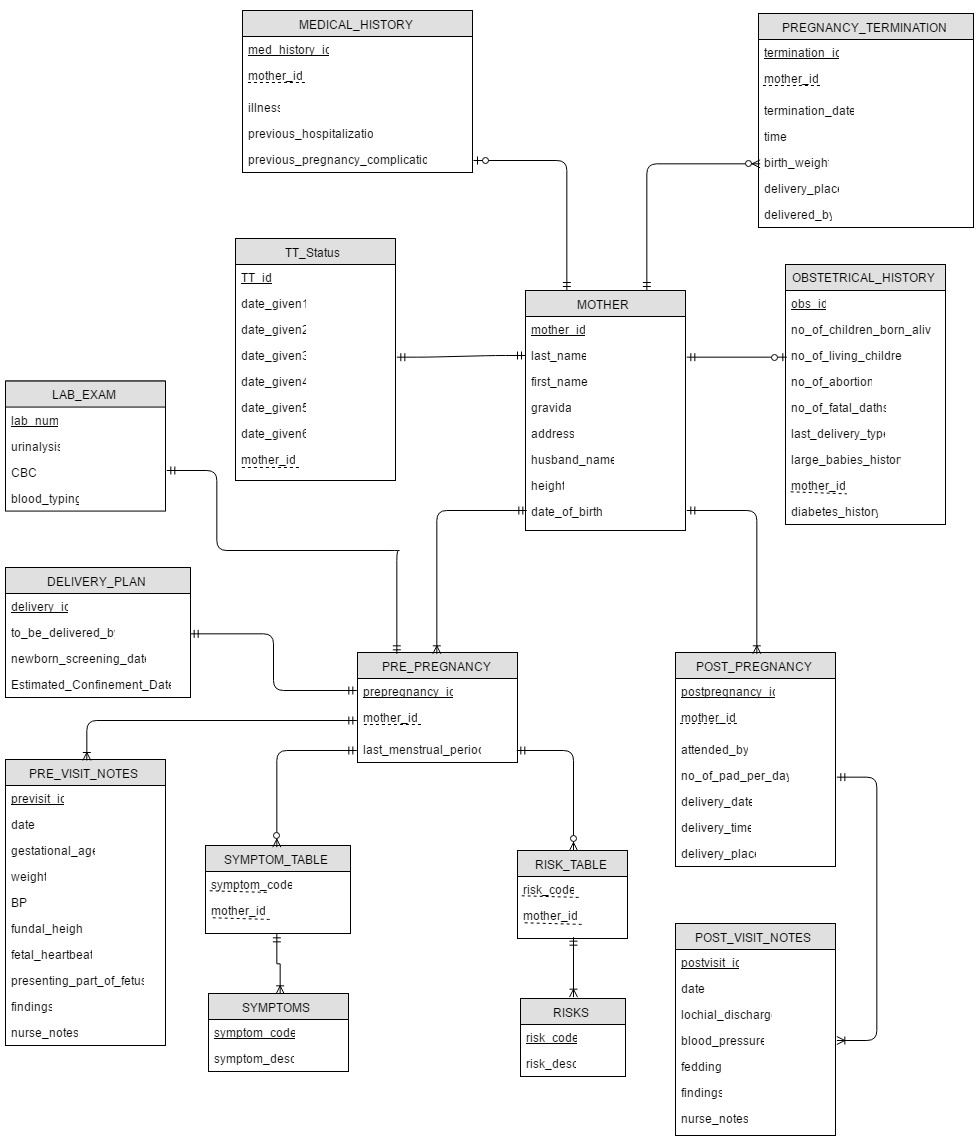
**Company Background**

The Talamban health center, a Philhealth-accredited maternity clinic, is a health care center for pregnant women and sick people. This is a convenience for those people who cannot afford to go to private hospitals. This health center is a service oriented institution and a continuing progress having highly recognitions as they provide exceptional service to the patients. They exist to provide clients of obstetrics and pediatrics with effective, efficient, and affordable maternal and topnotch neonatal care health care providers through an honest service. The health center caters those people around Barangay Talamban who has a total population of 31,983. All of their service programs came from the Department of Health and these are scheduled by days to organize their system.

1. Business Process



1. UPDATED ENTITY RELATIONSHIP DIAGRAM



1. MODULES AND ROLES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MODULE NAME:** | **C** | **R** | **U** | **D** | **DONE BY:** |
| addpatient.php | Y | N | N | N | Louise Lumapas & Danielle Piamonte |
| addpostpregnancy.php | Y | N | N | N | Louise Lumapas & Danielle Piamonte |
| addprepregnancy.php | Y | N | N | N | Louise Lumapas & Danielle Piamonte |
| addttmodal.php | Y | N | N | N | Louise Lumapas  & Danielle Piamonte |
| appointments.php | N | N | Y | N | Louise Lumapas & Danielle Piamonte |
| connector.php | N | Y | N | N | Louise Lumapas & Danielle Piamonte |
| editpostpregnancy.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| editprepregnancy.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| index.php | N | Y | Y | N | Louise Lumapas |
| login.php | N | Y | N | N | Danielle Piamonte |
| modalpregtermination.php | Y | N | N | N | Louise Lumapas & Danielle Piamonte |
| modalviewpost.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| modalviewpre.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| patients.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| postvisitnote.php | Y | N | N | N | Louise Lumapas & Danielle Piamonte |
| ttmodalEdit.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| updatePatient.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| viewPatient.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| viewpostpregnancy.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| viewpredata.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| viewprepregnancy.php | N | Y | Y | N | Louise Lumapas & Danielle Piamonte |
| logout.php | N | Y | N | N | Louise Lumapas |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **USER LEVEL: ADMINISTRATOR** | **C** | **R** | **U** | **D** | **MODULE NAME:** |
| Y | N | N | N | addpatient.php |
| Y | N | N | N | addpostpregnancy.php |
| Y | N | N | N | addprepregnancy.php |
| Y | N | N | N | addttmodal.php |
| N | N | Y | N | appointments.php |
| N | Y | N | N | connector.php |
| N | Y | Y | N | editpostpregnancy.php |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Image result for admin icon | N | Y | Y | N | editprepregnancy.php |
| N | Y | Y | N | index.php |
| N | Y | N | N | login.php |
| Y | N | N | N | modalpregtermination.php |
| N | Y | Y | N | modalviewpost.php |
| N | Y | Y | N | modalviewpre.php |
| N | Y | Y | N | patients.php |
| Y | N | N | N | postvisitnote.php |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | N | Y | Y | N | ttmodalEdit.php |
| N | Y | Y | N | updatePatient.php |
| N | Y | Y | N | viewPatient.php |
| N | Y | Y | N | viewpostpregnancy.php |
| N | Y | Y | N | viewpredata.php |
| N | Y | Y | N | viewprepregnancy.php |
| N | Y | N | N | logout.php |

1. SQL Queries

|  |  |  |
| --- | --- | --- |
| INSERT INTO mother  VALUES (NULL, '<php variable>', '<php variable>', <php variable>, <php variable>, '<php variable>', '<php variable>', '<php variable>') | | |
| From: addpatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT MAX(mother\_id) FROM mother | | |
| From: addpatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO medical\_history  VALUES (NULL, <php variable>, <php variable>, <php variable>, <php variable>) | | |
| From: addpatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO obstetrical\_history  VALUES (NULL, <php variable>, <php variable>, <php variable>, <php variable>, <php variable>, '<php variable>', '<php variable>', '<php variable>') | | |
| From: addpatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO pregnancy\_termination  VALUES (NULL, '<php variable>', '<php variable>', '<php variable>', '<php variable>', '<php variable>', <php variable>) | | |
| From: addpatient.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id =<php variable> | | |
| From: addpostpregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO post\_pregnancy  VALUES (NULL, <php variable>, '<php variable>', <php variable>, '<php variable>', '<php variable>', '<php variable>') | | |
| From: addpostpregnancy.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM symptoms | | |
| From: addprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM risks | | |
| From: addprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO pre\_pregnancy VALUES (NULL, <php variable>, ''<php variable>') | | |
| From: addprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT MAX(prepregnancy\_id) FROM pre\_pregnancy | | |
| From: addprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO lab\_exam  VALUES (NULL, <php variable>, '<php variable>', '<php variable>', '<php variable>') | | |
| From: addprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO delivery\_plan  VALUES (NULL<php variable>, '<php variable>', '<php variable>','<php variable>', '<php variable>') | | |
| From: addprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO risk\_table VALUES (<php variable>, <php variable>,'<php variable>') | | |
| From: addprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO symptom\_table VALUES (<php variable>, <php variable>,'<php variable>') | | |
| From: addprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT prepregnancy\_id, last\_menstrual\_period, mother\_id  FROM pre\_pregnancy ORDER BY prepregnancy\_id | | |
| From: appointments.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT postpregnancy\_id, attended\_by, mother\_id  FROM post\_pregnancy ORDER BY postpregnancy\_id | | |
| From: appointments.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM mother  JOIN post\_pregnancy ON post\_pregnancy.mother\_id = mother.mother\_id  JOIN post\_visit\_notes ON post\_pregnancy.postpregnancy\_id = post\_visit\_notes.postpregnancy\_id  WHERE mother.mother\_id = <php variable> AND post\_pregnancy.postpregnancy\_id =<php variable> | | |
| From: editpostpregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM tt\_status WHERE mother\_id=<php variable> | | |
| From: editpostpregnancy.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM post\_visit\_notes WHERE postpregnancy\_id = <php variable> | | |
| From: editpostpregnancy.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id = <php variable> | | |
| From: editprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT last\_menstrual\_period, urinalysis, CBC, blood\_typing,  to\_be\_deilvered\_by, where\_to\_deliver, newborn\_screening\_date, estimated\_confinement\_date  FROM pre\_pregnancy  LEFT JOIN lab\_exam ON pre\_pregnancy.prepregnancy\_id = lab\_exam.prepregnancy\_id  LEFT JOIN delivery\_plan ON delivery\_plan.prepregnancy\_id = lab\_exam.prepregnancy\_id  WHERE mother\_id = <php variable>  AND pre\_pregnancy.prepregnancy\_id = <php variable> | | |
| From: editprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM symptoms | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM symptom\_table WHERE mother\_id = <php variable> | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM risks | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM risk\_table WHERE mother\_id = <php variable> | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM pre\_visit\_notes WHERE prepregnancy\_id =<php variable> | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| DELETE FROM symptom\_table WHERE mother\_id=<php variable>  AND prepregnancy\_id = <php variable> | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO symptom\_table VALUES (<php variable>, <php variable>,'<php variable>') | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| DELETE FROM risk\_table WHERE mother\_id=<php variable> AND prepregnancy\_id = <php variable> | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO risk\_table VALUES <php variable>, <php variable>,'<php variable> ') | | |
| From: editprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT MONTH(date), COUNT(previsit\_id) FROM `pre\_visit\_notes`GROUP BY MONTH(date) | | |
| From: index.php | Expected Rows: Many | Output: Chart |

|  |  |  |
| --- | --- | --- |
| SELECT MONTH(date), COUNT(postvisit\_id) FROM `post\_visit\_notes`GROUP BY MONTH(date) | | |
| From: index.php | Expected Rows: Many | Output: Chart |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM user WHERE username='$username' and password='$password' | | |
| From: login.php | Expected Rows: Many | Output: Chart |

|  |  |  |
| --- | --- | --- |
| INSERT INTO pregnancy\_termination VALUES (NULL, '<php variable> ', '<php variable> ', <php variable>, '<php variable> ', '<php variable> ', <php variable>) | | |
| From: modalpregtermination.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM post\_visit\_notes WHERE postpregnancy\_id=<php variable> | | |
| From: modalviewpost.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id=<php variable> | | |
| From: modalviewpost.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| INSERT INTO pre\_visit\_notes  VALUES(NULL, <php variable>, '<php variable> ', <php variable>, <php variable>, '<php variable> ', <php variable>, <php variable>, '<php variable> ', '<php variable> ', '<php variable> ') | | |
| From: modalviewpre.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT mother\_id, first\_name, last\_name, date\_of\_birth FROM mother | | |
| From: patients.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| INSERT INTO post\_visit\_notes  VALUES (<php variable>, NULL, '<php variable> ', '<php variable> ', '<php variable> ', '<php variable> ', '<php variable> ', '<php variable> ') | | |
| From: postvisitnote.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id=<php variable> | | |
| From: previsit.php | Expected Rows: One | Output: HTML |
| SELECT \* FROM tt\_status WHERE mother\_id=".$\_GET['mom'] | | |
| From: ttmodaledit.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| UPDATE tt\_status  SET date\_given<php variable> = <php variable> WHERE mother\_id=<php variable> | | |
| From: ttmodaledit.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| INSERT INTO tt\_status  VALUES (NULL, <php variable>, NULL, NULL, NULL, NULL, NULL, <php variable>) | | |
| From: ttmodaledit.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name, date\_of\_birth, address, husband\_name, height, gravida, no\_of\_children\_born\_alive, no\_of\_living\_children, no\_of\_abortion, no\_of\_fatal\_deaths, last\_delivery\_type, large\_babies\_history, diabetes\_history, previous\_hospitilization, previous\_pregnancy\_complication, illness  FROM mother  LEFT JOIN obstetrical\_history ON mother.mother\_id = obstetrical\_history.mother\_id  LEFT JOIN medical\_history ON medical\_history.mother\_id = obstetrical\_history.mother\_id  WHERE mother.mother\_id = <php variable> | | |
| From: updatepatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| UPDATE mother  SET height = <php variable>, gravida =<php variable>  WHERE mother\_id =<php variable> | | |
| From: updatepatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| UPDATE obstetrical\_history  SET no\_of\_children\_born\_alive = <php variable>, no\_of\_living\_children = <php variable>, no\_of\_abortion = <php variable>, no\_of\_fatal\_deaths = <php variable>, last\_delivery\_type= '<php variable> ', large\_babies\_history= '<php variable> ', diabetes\_history= '<php variable> '  WHERE mother\_id =<php variable> | | |
| From: updatepatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| UPDATE medical\_history  SET previous\_hospitilization = '<php variable> ', previous\_pregnancy\_complication = '<php variable> ', illness = '<php variable> '  WHERE mother\_id =<php variable> | | |
| From: updatepatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT termination\_date, time, birth\_weight, delivery\_place, delivered\_by FROM pregnancy\_termination WHERE mother\_id =<php variable> | | |
| From: updatepatient.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT prepregnancy\_id, last\_menstrual\_period FROM pre\_pregnancy  WHERE mother\_id =<php variable> | | |
| From: updatepatient.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT postpregnancy\_id, attended\_by FROM post\_pregnancy WHERE mother\_id =<php variable> | | |
| From: updatepatient.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name, date\_of\_birth, address, husband\_name, height, gravida, no\_of\_children\_born\_alive, no\_of\_living\_children, no\_of\_abortion, no\_of\_fatal\_deaths, last\_delivery\_type, large\_babies\_history, diabetes\_history, previous\_hospitilization, previous\_pregnancy\_complication, illness  FROM mother  LEFT JOIN obstetrical\_history ON mother.mother\_id = obstetrical\_history.mother\_id  LEFT JOIN medical\_history ON medical\_history.mother\_id = obstetrical\_history.mother\_id  WHERE mother.mother\_id =<php variable> | | |
| From: viewpatient.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT termination\_date, time, birth\_weight, delivery\_place, delivered\_by  FROM pregnancy\_termination  WHERE mother\_id =<php variable> | | |
| From: viewpatient.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT prepregnancy\_id, last\_menstrual\_period FROM pre\_pregnancy  WHERE mother\_id =<php variable> | | |
| From: viewpatient.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT postpregnancy\_id, attended\_by FROM post\_pregnancy  WHERE mother\_id =<php variable> | | |
| From: viewpatient.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM post\_pregnancy  WHERE mother\_id =<php variable>  AND postpregnancy\_id =<php variable> | | |
| From: viewpostpregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id= <php variable> | | |
| From: viewpostpregnancy.php | Expected Rows: One | Output: One |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM tt\_status WHERE mother\_id= <php variable> | | |
| From: viewpostpregnancy.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM post\_visit\_notes WHERE postpregnancy\_id = <php variable> | | |
| From: viewpostpregnancy.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM pre\_visit\_notes WHERE prepregnancy\_id= <php variable> | | |
| From: viewpredata.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id= <php variable> | | |
| From: viewpredata.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT last\_menstrual\_period, urinalysis, CBC, blood\_typing, to\_be\_deilvered\_by, where\_to\_deliver, newborn\_screening\_date, where\_to\_deliver, estimated\_confinement\_date  FROM pre\_pregnancy  JOIN lab\_exam ON pre\_pregnancy.prepregnancy\_id = lab\_exam.prepregnancy\_id  JOIN delivery\_plan ON delivery\_plan.prepregnancy\_id = lab\_exam.prepregnancy\_id  WHERE mother\_id = <php variable>  AND pre\_pregnancy.prepregnancy\_id =<php variable> | | |
| From: viewprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT first\_name, last\_name FROM mother WHERE mother\_id=<php variable> | | |
| From: viewprepregnancy.php | Expected Rows: One | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM symptom\_table  JOIN symptoms ON symptoms.symptom\_code=symptom\_table.symptom\_code  WHERE mother\_id=<php variable>  ORDER BY Symptoms.symptom\_code | | |
| From: viewprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM risk\_table  JOIN risks ON risk\_table.risk\_code=risks.risk\_code  WHERE mother\_id=<php variable>  ORDER BY risks.risk\_code") | | |
| From: viewprepregnancy.php | Expected Rows: Many | Output: HTML |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM tt\_status WHERE mother\_id= <php variable> | | |
| From: viewprepregnancy.php | Expected Rows: One | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM pre\_visit\_notes WHERE prepregnancy\_id = <php variable> | | |
| From: viewprepregnancy.php | Expected Rows: Many | Output: Table |

|  |  |  |
| --- | --- | --- |
| SELECT \* FROM pre\_visit\_notes WHERE prepregnancy\_id = <php variable> | | |
| From: viewprepregnancy.php | Expected Rows: Many | Output: Table |

Rubrics:

|  |  |  |
| --- | --- | --- |
| **PRESENTATION AND DOCUMENTATION** | | |
| **CRITERIA** | **WEIGHT** | **SCORE** |
| Mastery and Believability | 20% |  |
| Participation in Team Presentation | 20% |  |
| Content Development | 20% |  |
| Context and Purpose | 40% |  |

|  |  |  |
| --- | --- | --- |
| **DATABASE SYSTEM** | | |
| **CRITERIA** | **WEIGHT** | **SCORE** |
| Queries | 40% |  |
| Functions/Features | 40% |  |
| Data Presentation | 10% |  |
| Readability | 10% |  |