Obstetrics database:

-Requirements Elicitation:

- **User stories:**

  Targets: Obstetrician, Pregnant, Manager, Laboratory staff
  - As an obstetrician, I want to know the laboratory results to determine if the woman is pregnant.
  - As a pregnant, I would like to understand my pregnancy conditions and know if I have any diseases.

- **Use cases:**
  - Login:
    - Actor: Obstetrician and laboratory staff
    - Description: The obstetrician and laboratory staff can login
    - Preconditions: The system needs to be created.

  - Register women:
    - Actor: Obstetrician
    - Description: The obstetrician registers women in the system. If the woman is already registered from previous pregnancies, another pregnancy date is added.
    - Postconditions: The woman will undergo a pregnancy test.

  - View women's Data:
    - Actor: Obstetrician
    - Description: The obstetrician will have access to the women's data.
    - Preconditions: The woman is already registered into the system.

  - Update woman's data:
    - Actor: Obstetrician
    - Description: The user will update the information of the woman.
    - Preconditions: The woman needs to be registered into the system.
    - Postcondition: The woman data is updated.

  - Delete woman's data:
    - Actor: Obstetrician
    - Description: The user will delete a woman from the systhem.
    - Preconditions: The woman needs to be registered into the system.
    - Postcondition: The woman's data is deleted.

- Change password:
  - Actor: Obstetrician
  - Description: The user creat a password.
  - Preconditions: The obstetrician needs to have an account.

- Register pregnancy:
  - Actor: Obstetrician
  - Description: The user will register a ppregnancu¡y to the woman's data.
  - Preconditions: The woman's lab result needs to be positive on pregnancy.
  - Postcondition: The woman data is updated.

- View pregnancy data:
  - Actor: Obstetrician
  - Description: The user could see the pregnancy data.
  - Preconditions: The pregnancy needs to be registered into the system.

- Update pregnancy's data:
  - Actor: Obstetrician
  - Description: The user will update the information of the pregnancy.
  - Preconditions: The pregnancy needs to be registered into the system.
  - Postcondition: The pregancy data is updated.

- View Newborn:
  - Actor: Obstetrician
  - Description: The user will update the information of the woman.
  - Preconditions: The pregnancy and the newborn needs to be registered into the system.

- Delete Newborn:
  - Actor: Obstetrician
  - Description: The user will delete the information of a newborn.
  - Preconditions: The pregnancy and the newborn needs to be registered into the system.
  - Postcondition: The newborn's data is deleted.

- Update Newborn:

- Actor: Obstetrician
- Description: The user will update the information of a newborn.
- Preconditions:The pregnancy and the newborn needs to be registered into the system.
- Postcondition: The newborn's data is updated.

○ Register Newborn:
  - Actor: Obstetrician
  - Description: The user will register a newborn.
  - Preconditions: The pregnancy needs to be registered into the system. For that the lab result needs to be positive on pregnancy
  - Postcondition: The newborn is register to the systhem.

○ Register laboratory report:
  - Actor: Laboratory staff
  - Description: The user will registers laboratory results associated with a particular woman.
  - Preconditions: Woman must be registered in the database.
  - Postconditions: The pregnancy information and date of test it's updated.

○ View laboratory report:
  - Actor: Laboratory staff
  - Description: The user will see the information of the laboratory results associated with a particular woman.
  - Preconditions: The user registers laboratory results associated with a particular woman.

○ Update laboratory report:
  - Actor: Laboratory staff
  - Description: The user registers laboratory results associated with a particular woman.
  - Preconditions: Woman must be registered in the database.
  - Postconditions: The laboratory report is updated