
GitHub Username: 13natty

Pregnancy Wheel

Description

Write a brief summary of what your app does

A pregnancy wheel is also known as a gestation calculator. This is the small calendar that uses your last menstrual period (LMP) to help determine your due date. Try out this quick and easy pregnancy wheel. Rotate the wheel by dragging and move the pointer to select LMP. You may also use the date input box below to enter LMP.

What problem does your app solve?

The pregnancy wheel or gestational disk can be used to give a lot more information about your baby and pregnancy, like:

- Average weight of the baby according to gestational age
- Average size of the baby according to gestational age

- BDP (biparietal diameter) of the baby according to gestational age
- Baby femur length
- Weeks of pregnancy
- Estimated due date

Intended User

This app meant to be used for personal tracking purposes, but it may also be used as a clinical tool for professional healthcare workers.

Features

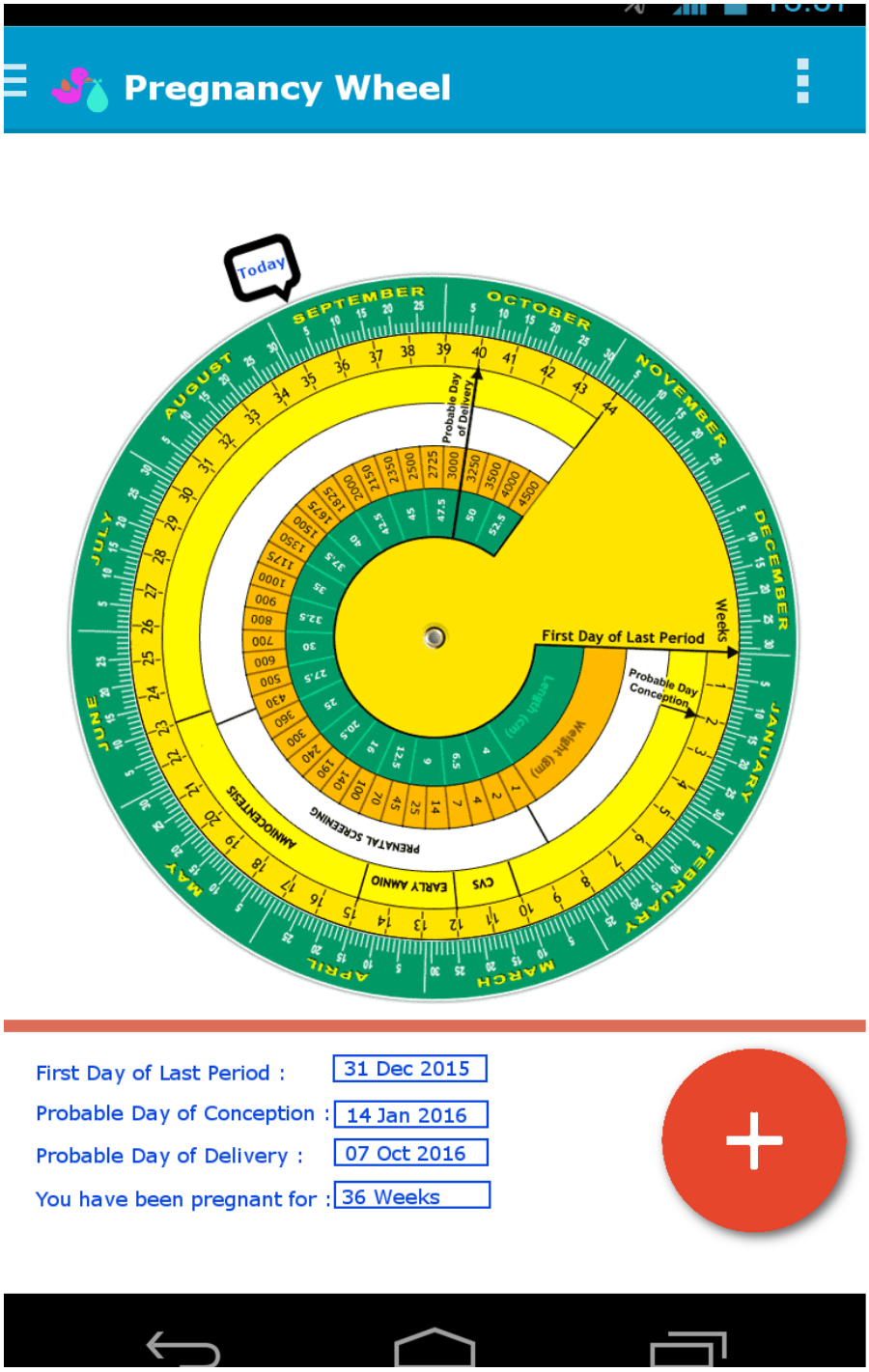
List of features :

- Saves information.
- Takes pictures.
- Calculate baby's due date.
- Shows how many weeks pregnant the mother is.
- Shows trimesters.

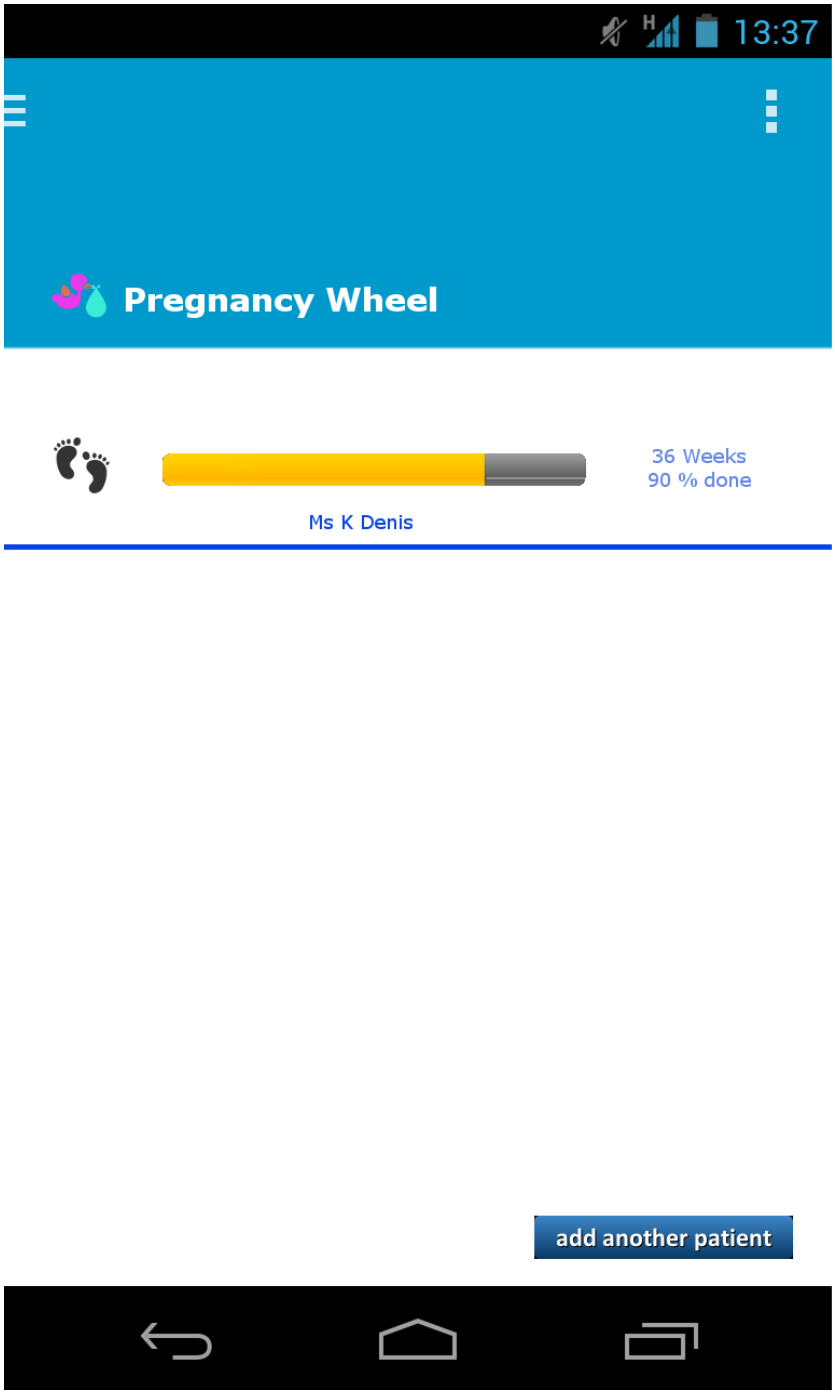
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1

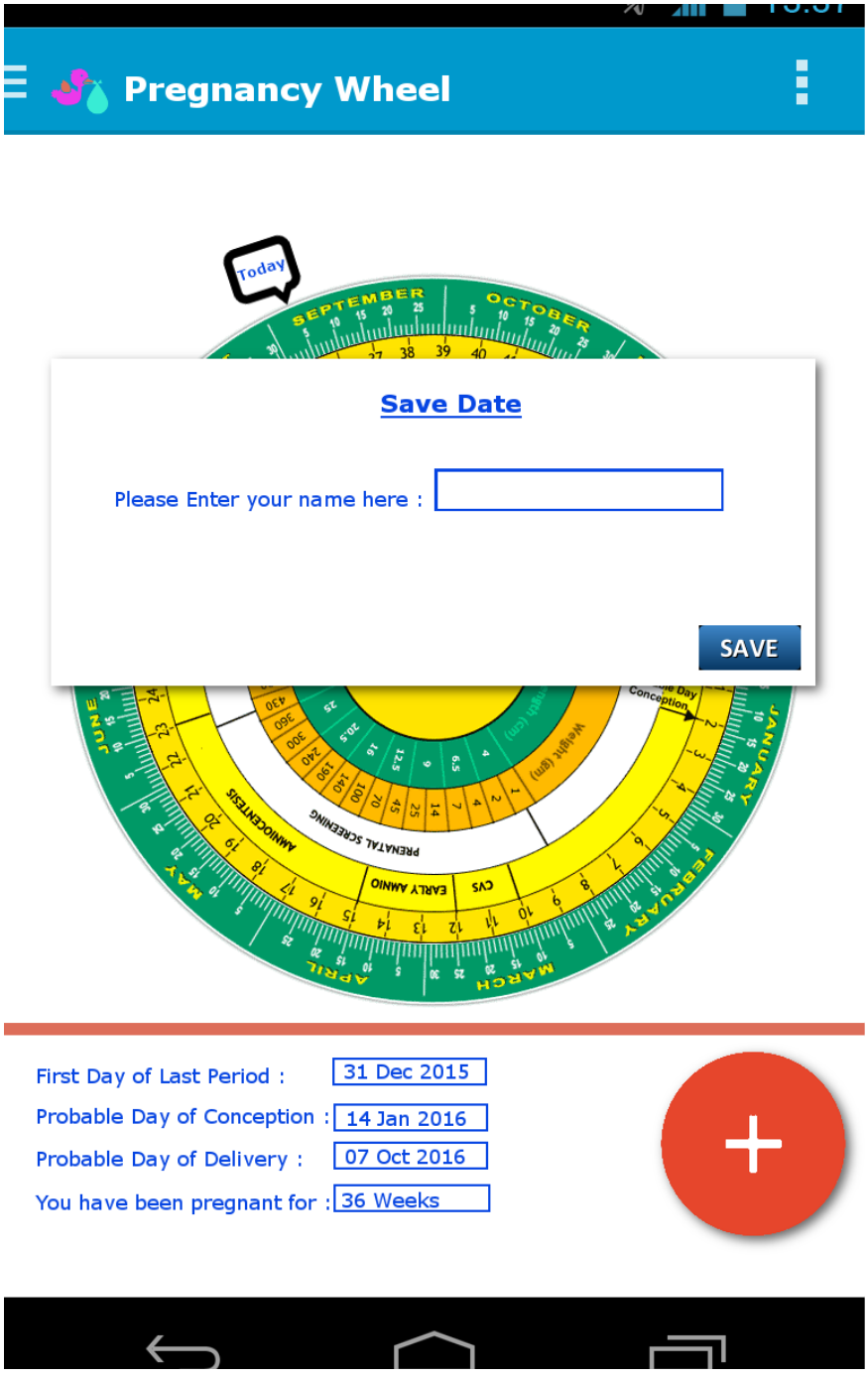


Pregnancy information will be cached on the device, if no pregnancy data is saved, this screen will show as the landing screen.



Otherwise this screen will show. This is a list view of all saved pregnancies, when clicked the above screen shows details. This list item information is relevant to the current date, keeps updating the progressbar each day.

Screen 2



When a user clicks on the floating button the dialog show that ask for the name by which to save this pregnancy.

Screen 3

Finally the screen that shows all of the calculated details about the pregnancy.
User can share these great news on FB. The small fetus image is updated according to weeks of pregnancy.

Key Considerations

How will your app handle data persistence?

My app will use SharedPreferences to save each pregnancy.

Describe any corner cases in the UX.

There is none

Describe any libraries you'll be using and share your reasoning for including them.

I will be using butter knife so that I can perform injection on arbitrary objects, views and OnClickListeners. This will reduce redundant coding.
I will use gradle to distinguish between paid app and free app.
I will write my own library much like build it bigger that will provide pictures regarding the fetus growth week by week.

Describe how you will implement Google Play Services.

I will use AdMob to monetize my app.
I will use GCE module to serve these images.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Configure libraries
- Write a java library that will provide images of stages of a fetus.

- A Google Cloud Endpoints (GCE) project that serves those images.
- An Android Library containing an activity for displaying fetus image
- Create app

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for MainActivity
- Build UI for Android Library containing an activity for displaying fetus image

Task 3: Your Next Task

Describe the next task. For example, “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.”

Describe the next task. List the subtasks. For example:

- Create layout
- Create graphics for the gestation wheel
- Create graphics for fetus development week by week
