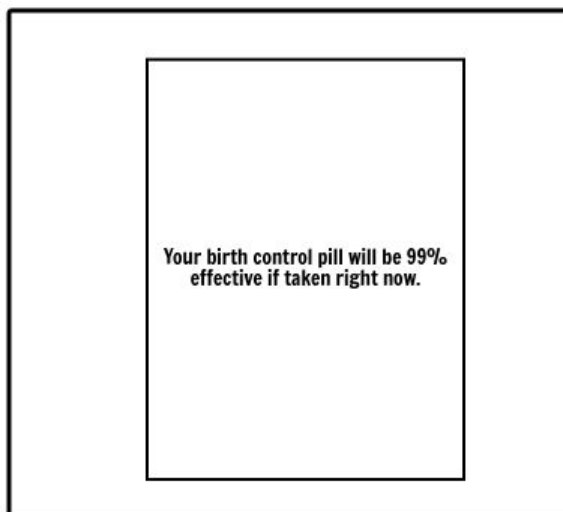
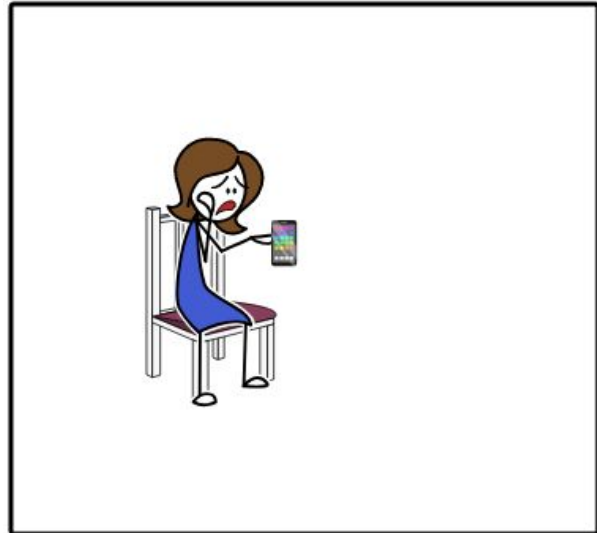


Comma- Milestone 2

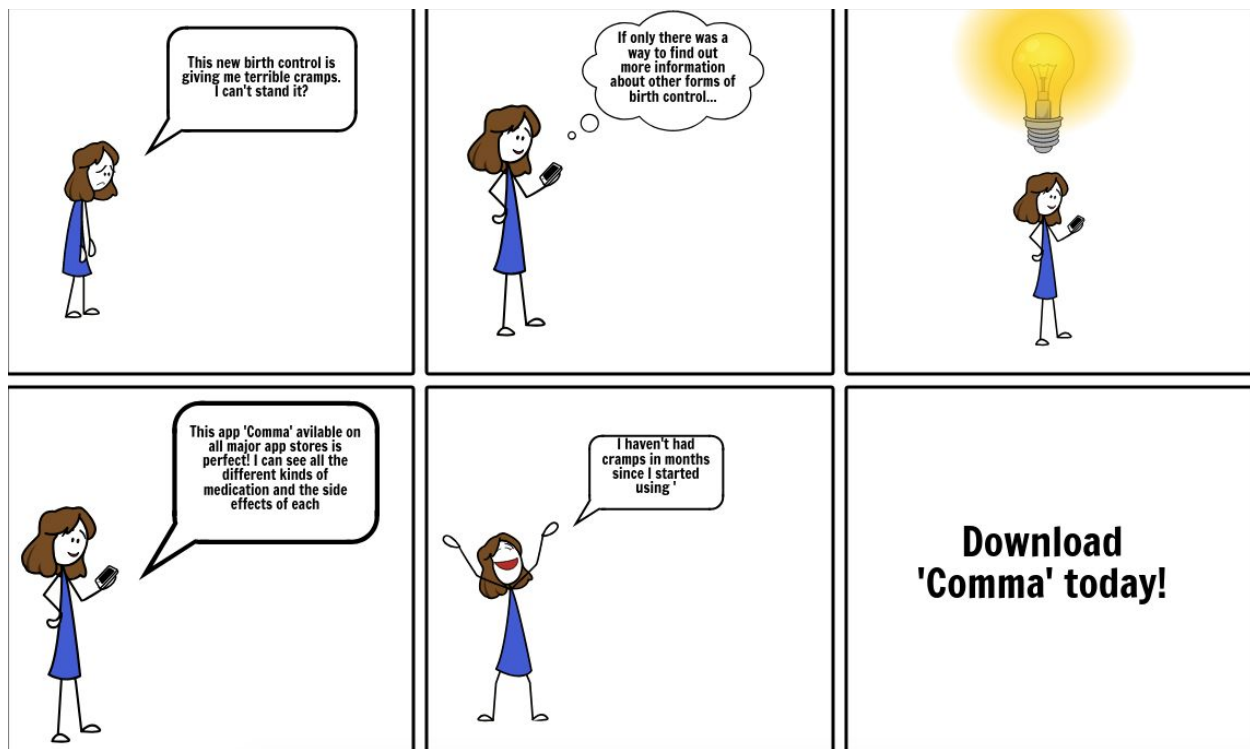
Team Voltron

Storyboards:

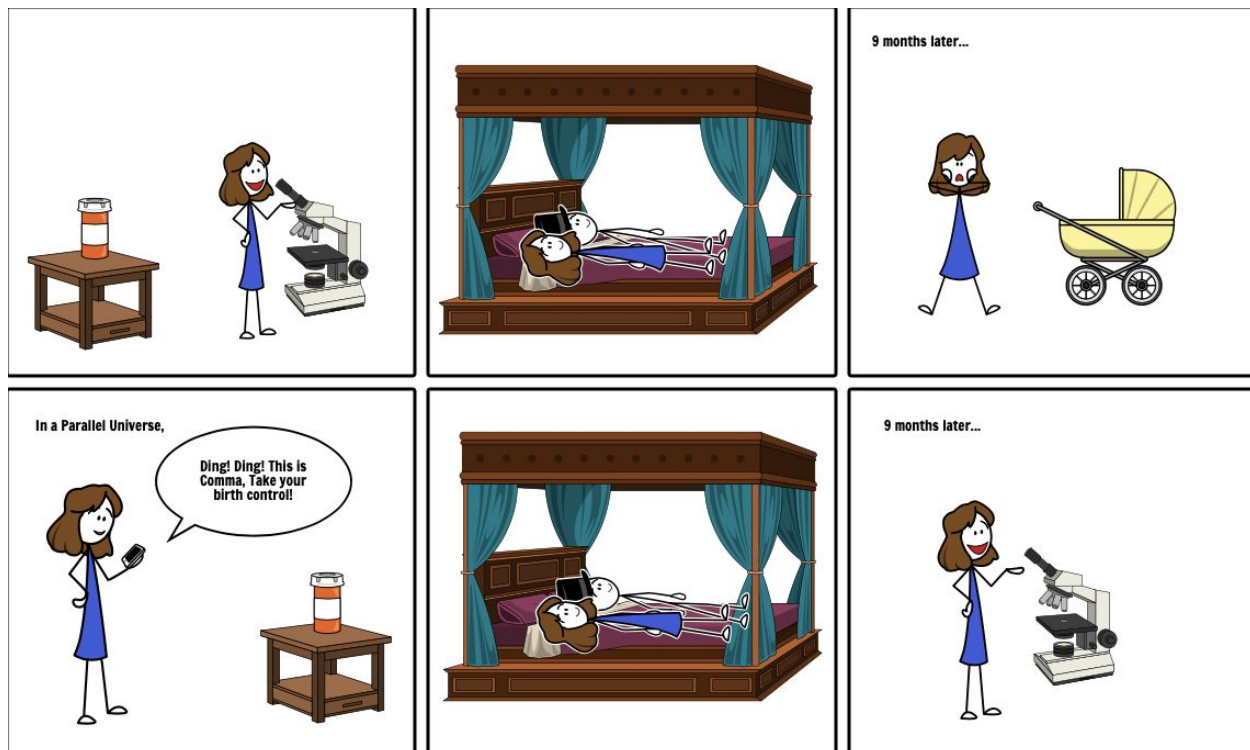
- A woman took her birth control four hours late yesterday and wants to know if that has made it less effective today. She checks her app for updates statistics.



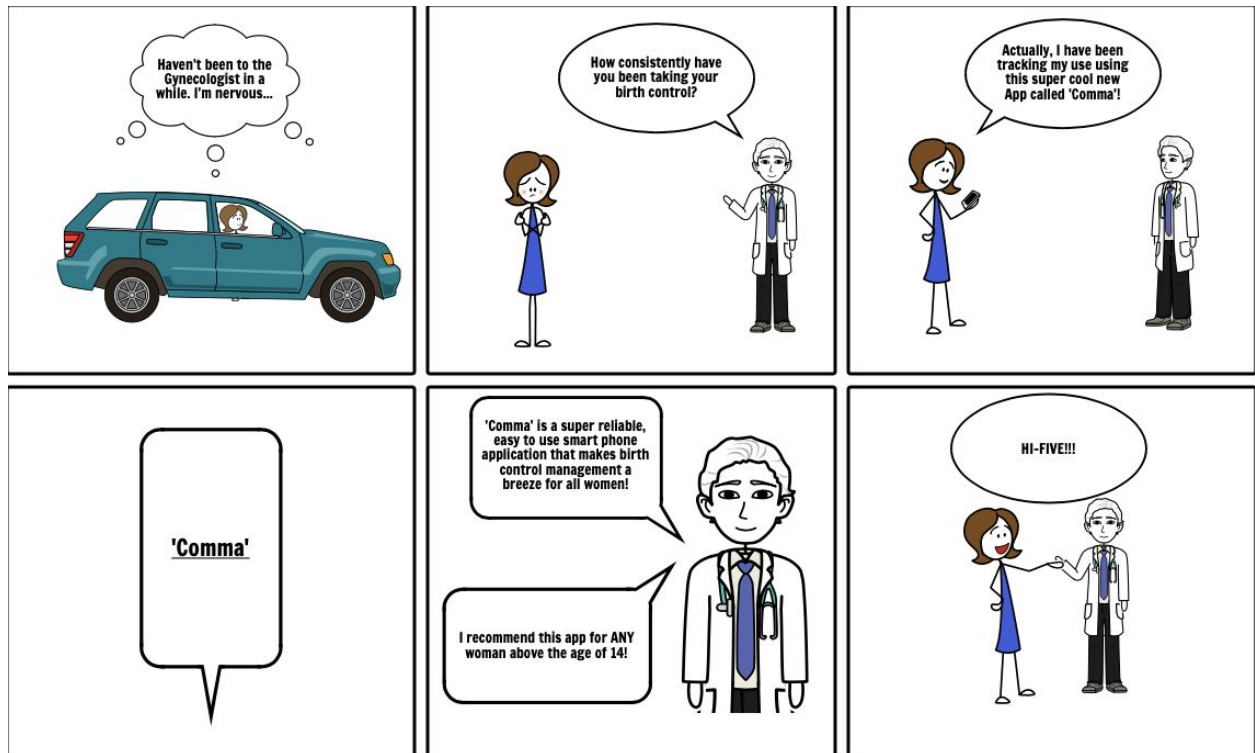
- A woman's new birth control is causing terrible stomach cramps and she wants to explore other options. She takes out the app and is able to see the reported side effects of different options.



- A woman forgets to take birth control without app, but is reminded with it.



- A woman goes to her doctor and is asked some details of her birth control use. She is able to get out her app and report accurately to the doctor without struggling to remember.



Design Alternatives

Application Design 1:

Walkthrough:

- This design is aimed at simplicity for the user. Upon initial use of the application, the user is prompted with a welcome message of the application's mission and is prompted to create a profile with their name, age, and current birth-control regimen if any is in place. From there, the application launches into the home screen, which features four key components: "Explore Contraception", "Body Tracker", "Reminders", and "For Me". Each of these options, once selected, redirects the user to a new screen with additional options. The "Explore Contraception" option offers the user statistics on effectiveness and side effects of different birth control options organized first by type, and then by brand. The "Body Tracker" option redirects the user to a calendar where they are prompted to record cycle start and end dates. They can also browse options to record symptoms and birth control use at any time of any day. The third component is the "Reminders" option, which redirects to a screen which prompts the user with the option to set or remove reminders to take birth control, to refill prescriptions, to set cycle reminders, and to go to appointments. The final option is "For Me" which redirects the user to a page including personalized statistics on projected effectiveness of their current method of birth control, dates of most recent cycle, projected date of ovulation, and a list of most commonly reported symptoms.

Design decisions


- In this design, we chose to have four options on the main screen to simplify user experience. They will not have to decide between many options and will not be overwhelmed. Having four is aesthetically pleasing because the screen will not be crowded and each option can be larger.
- We chose to give information one step at a time in order to keep the user from being overwhelmed with information. Instead of scrolling through hundreds of types of contraceptives to find information on a specific one, the user is guided to the type, then brand.

Design Structure

- Welcome!
 - Welcome message displaying app's main goal as a message
 - Create an account or sign in
- Create account:
 - Name

- Age
- Type of birth control (if any)
- Launch application home screen options
 - Explore contraceptive options
 - IUD's
 - Brand
 - Reported side effects
 - Mini-pills
 - Brand
 - Reported side effect
 - Combined pills
 - Brand
 - Reported side effect
 - Arm implants
 - Brand
 - Reported side effect
 - Ring
 - Brand
 - Reported side effect
 - Emergency contraceptive options
 - Can their BC be used as plan B?
 - Yes
 - Princeton information
 - No
 - Three most common brands
 - Instructions
 - Side effects
- Body tracker
 - record symptoms
 - Start cycle
 - End cycle
 - Show calendar options
- Reminders
 - edit refill reminder
 - edit appointment reminder
 - edit pill reminder
- For me
 - Projected effectiveness of birth control
 - Projected date of ovulation
 - List of most experienced symptoms
 - Dates of last cycle

Mockup



Email:

Password:

[Sign In](#)

Don't have an account?

[Create Account](#)

Name:

Age:

Type of Birth Control:

☐ None

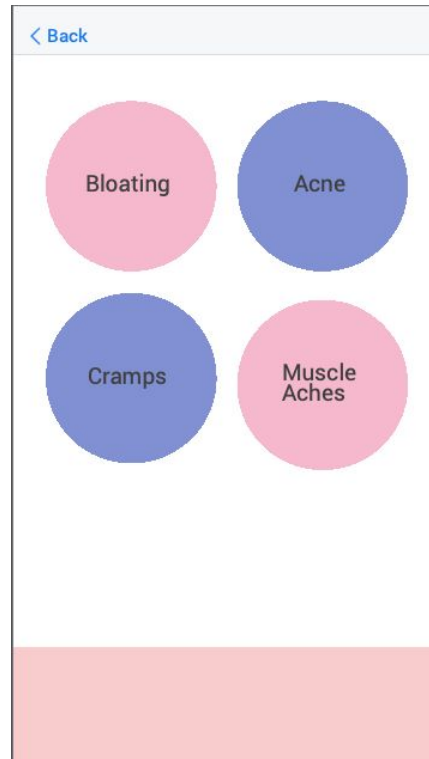
☐ Pill

☐ IUD

☐ Ring

☐ Arm Implant

[Continue](#)



[< Back](#)

February

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	1	2	3

NOTES

- Period
- Acne
- Cramping

Filter

- ☐ Period
- ☐ Acne
- ☐ Cramping

[< Back](#)

Refills

Appointments

Pill

[< Back](#)

Edit Reminder

Date and Time

02/14/2018 09:39

Repeat

- ☐ Select All
- ☐ Monday
- ☐ Tuesday
- ☐ Wednesday
- ☐ Thursday
- ☐ Friday
- ☐ Saturday
- ☐ Sunday

[< Back](#)

Projected Birth Control Effectiveness:

67%

Projected Cycle Start Date:

February 18

Last Cycle Dates:

January 20-25

Most Logged Symptoms:

Cramps

Acne

Application design 2

Walkthrough

- This design features a home screen of six icons: “Reminders,” “Tracker”, “Symptoms”, “Information”, “My Account”, and “Help”. Each option again redirects the user to a new page with additional options. The “Reminders” option, once selected, prompts the user to set reminders to take birth control, refill birth control, notify of upcoming cycle, etc. Much like the “Reminders” section of the previous design . The “Tracker” option redirects to a calendar which lets the user record the beginning and end of their cycle. The “My Profile” option allows the user to update personal health information such as how often they refill their birth control medications, as well as displaying the information which the application already has on the user, including name, age, and birth control use. “My Profile” also leads to “My Summary,” a quick and concise summary of information recorded in and calculated by the application, including: cycle dates, birth control use, projected birth control effectiveness, projected dates of ovulation, and a list of most frequently reported symptoms. The “Information” option gives information on emergency contraception and helps users search for other birth control options based on symptoms or needs. The “Symptoms” option allows the user to record symptoms and see the history of their logged symptoms. The final option is a “Help” option, which gives the user simple search bar to search for in-app features and info. It also under the “Help” option that users can report issues with the app.

Design Decisions

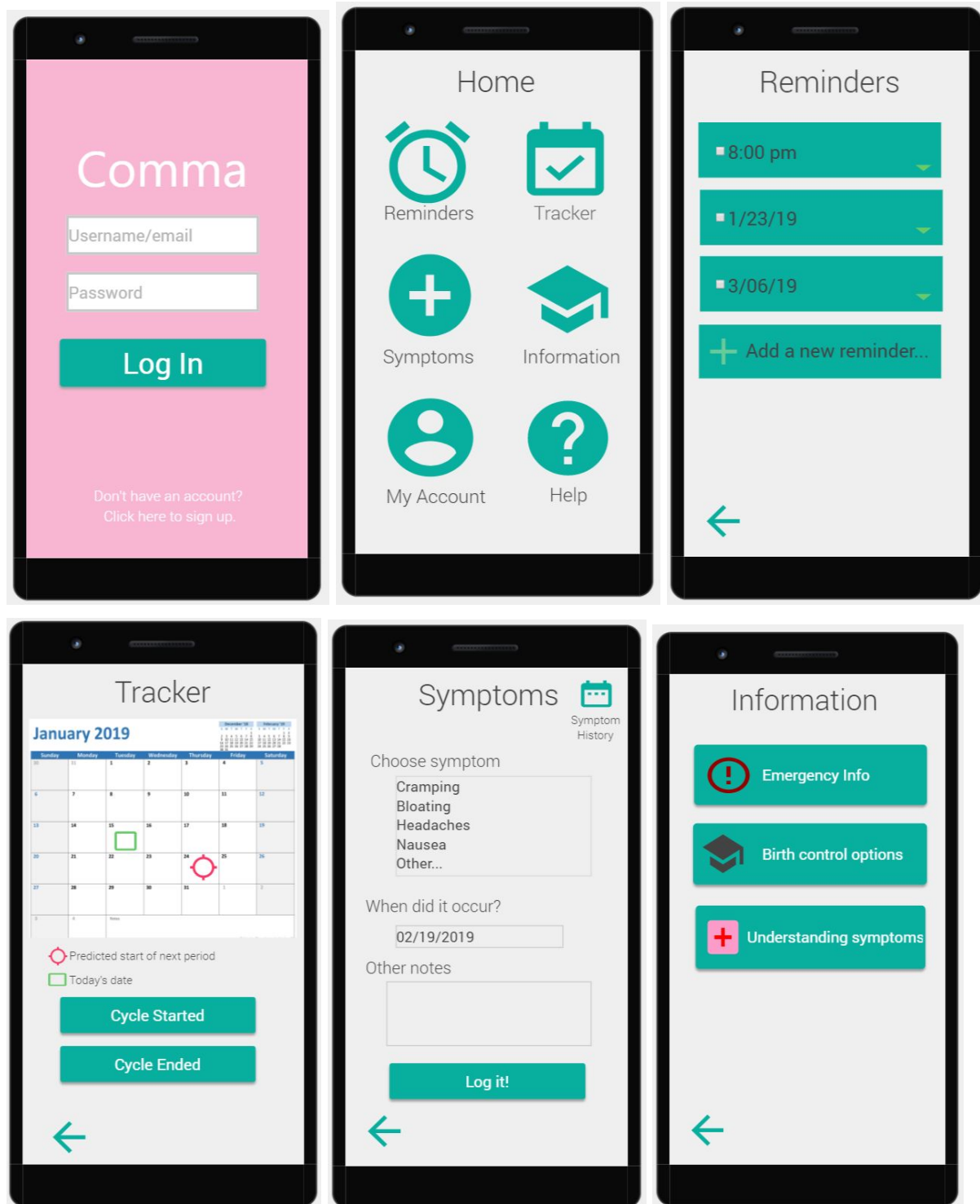
- We decided to use six icons here. The idea is that the additional options will allow the user to access the information they want more quickly by dividing the information into more specific groups. This decision was made in order to reduce the number of steps that the user must proceed through in order to obtain the desired information.

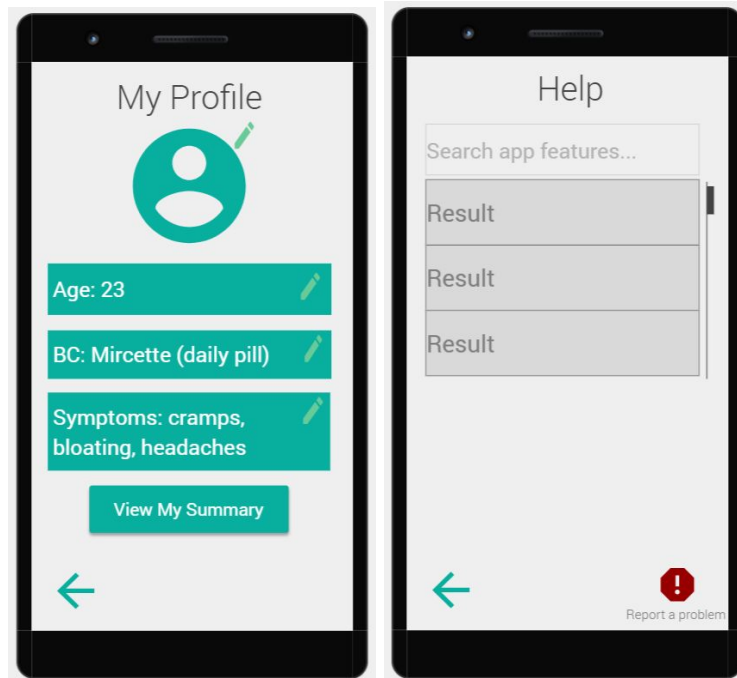
Design Structure

- Welcome!
 - Welcome message displaying app's main goal as a message
 - Create an account or sign in
 - Create account:
 - Name
 - Age
 - Type of birth control (if any)
- Launch application home screen options

- Reminders
 - When period is about to begin
 - Pills
 - Appointments
 - Refills
- Tracker
 - Calendar to see when cycle will/has begun and end
 - Cycle begins
 - Cycle ends
- My Profile
 - Age
 - Birth control type (if any)
 - How often you refill
 - Summary
 - Projected effectiveness
 - Accuracy in taking birth control
 - Time last took BC
 - Dates of last cycle
 - Symptom summary
- Information
 - Emergency information
- Symptoms
 - Log symptoms
- Help
 - Report Issues
 - Search App Features

Mockup





Application design 3:

Walkthrough

- This design features a home screen displaying a profile summary and an option bar of actions at the bottom. The home screen display, dominating a vast majority of the screen, includes: the user's name, upcoming reminders, dates of last and next projected cycle, projected date of ovulation, a list of most frequently reported symptoms, and the estimated effectiveness of their birth control regime calculated by use. The option bar at the bottom is a menu bar with five different options: "Reminders", "My Cycle", "My Birth Control", "Contraceptive Comparisons", and "Emergency Contraceptive" options. Each of these menu items redirect the user to a new page with additional actions. The "Reminders" option allows the user to set reminders for doses of birth control, appointments, notification of upcoming cycle, and prescription refills. The "My Cycle" option allows the user to record the start and end dates of their cycle. The "My Birth Control" option allows users to record the time that they took their birth control each day and shows use for the previous ten days. The "Contraceptive Comparisons" allows the user to browse different contraception options by

category, including: IUD, ring, mini-pill, combined pill, and arm implants. Each of these categories presents the most common brands of each as well as the projected effectiveness and most reported side effects of each. The final menu item is an “Emergency Contraceptive” option. This item allows the user to browse different options of emergency contraceptives, taking into account whether the user’s current method of contraception can be used as emergency contraception, as many daily pills can be. If not, the application redirects the user to information about the most common brands of emergency contraceptives and the reported side effects.

Design Decisions

- This design features a home screen which displays the user’s calculated information. This is intended to allow the user to access their information prior to using any of the additional functions of the application. This is especially useful when the user is setting reminders, as the user has seen their typical use and can set reminders accordingly.
- This design also features a menu bar at the bottom for application features. This menu bar was placed at the bottom since research has shown that most people hold their phones from the bottom, and therefore the bottom is where their fingers are, and the easiest part of the phone for the user to reach. This is a convenience design, allowing the user to get the most out of the application with the least amount of effort.
- The presence of the in every menu allows the user to easily access any element at any time.

Design Structure

- Welcome!
 - Welcome message displaying app’s main goal as a message
 - Create an account or sign in
 - Create account:
 - Name
 - Age
 - Type of birth control (if any)
- Launch application home screen
- Home screen is profile summary including
 - Name
 - Upcoming reminders
 - Date of last cycle start
 - Date last cycle ended
 - Date of ovulation

- Summary of symptoms
- Effectiveness percentage
- Option bar on bottom
 - Reminders
 - Birth control
 - Appointment
 - Refills
 - my cycle
 - Cycle start date
 - Cycle end date
 - My birth control
 - Record when taken
 - Show stats for the last week
 - Contraceptive options
 - Type
 - Brand
 - Effectiveness
 - Side effects
 - Emergency contraceptive options
 - Can the user's BC be used as emergency contraception?
 - Yes
 - Princeton information/instructions
 - No
 - Most common options
 - Side effects
 - Record symptoms
 - Add symptom
 - Add date
 - STD's: What You Need to Know
 - Education
 - What are STD's
 - How do you get them
 - STD types
 - Bacterial
 - Gonorrhea
 - about
 - Symptoms/signs
 - pictures
 - Syphilis
 - About
 - symptoms/signs
 - pictures
 - Chlamydia

- About
 - symptoms/signs
 - pictures
- Viral
 - HPV
 - About
 - symptoms/signs
 - pictures
 - Genital herpes
 - About
 - symptoms/signs
 - pictures
 - HIV
 - About
 - symptoms/signs
 - pictures
- Parasitic
 - Trichomoniasis
 - About
 - symptoms/signs
 - pictures
- Prevention
 - Different types
 - Female condom
 - Effectiveness
 - What types they prevent
 - Male condom
 - Effectiveness
 - What types they prevent
 - Antiretroviral therapy (ART)
 - Effectiveness
 - What types they prevent
 - Vaccinations
 - Effectiveness
 - What types they prevent
- Resources
 - Purchase prevention near me
 - CVS, walgreens, gas stations (by geo-location)
 - Treatment options
 - At home
 - By a medical professional
 - Support options
 - Support group near me

- Online forum
- Help hotline

Mockup



Design Comparisons

Advantages of design 1:

- Simple.
- Gives information one step at a time to keep the user from getting confused and works to not bombard the user with too much information at once.

Advantages of design 2:

- Having more options in the main screen of the application allows less information to be in each option, and for each option to therefore be more specialized. The goal of this is for the user to be able to access the information that they need faster by allowing the user to give the application more direct steps toward the information they are seeking.

Advantages of design 3:

- The user sees their profile summary before they click on any options and let's them freely move between app features. Having this summary first may help the user prioritize which option to select first. For instance, if the user opens their application and sees that they have not refilled their prescription in due time, they will know to set a reminder first as opposed to having to click on their profile, get the same information, and then click back before getting to the reminders option. This is more efficient.

Disadvantages of design 1:

- Broad categories could leave the user confused about which option to select.
- This could be annoying for more experienced technical users who want to get information quickly, as many steps are involved. A user who wants information on the effects of a particular IUD would have to first select the birth control information option, then select a type, then a brand, and then read for the information. There is a lot of forward and back in the process of comparing birth controls, especially if you want to compare different types.

Disadvantages of design 2:

- Information icon could be very broad, lots of information and detail in one place could be overwhelming.

Disadvantages of design 3:

- Having a summary of the user's personal statistics could be viewed as a lack of privacy. Some users might prefer for their information to be more hidden as opposed to open on the main screen of the application. A user may want to recommend the application to a friend without having their personal information on full view. The bar at the bottom takes space on all screens.