**Business Process Analysis: MIS 4100 ‘24**

(Document to be sectioned off by stories until completed then restructuring)

(Key backend items and changes in UI in red)

(Notes for team in blue)

**Business Process for Female Assigned at Birth:**

User Story 1.1:As a female user, I want to track and monitor my menstrual cycle for reproductive health and fertility planning. (To decide on work/sleep schedule, and caloric deficit/surplus implication on the female side of the app at a later date)

→Enter name

→Enter gender assigned at birth(Female)

→User provided with automated user ID for backend(PK)

→Enter age

→Enter Height

→Enter Weight

→Birth Control Question(Y/N)

→If Yes, then request type

→Enter any medications/health conditions

→Enter beginning of last period(allow option for “unsure”)

→Enter end of last period(allow option for “unsure”)

→Enter general activity level

→ Enter any menstrual abnormalities

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User Story 1.2: Enable female users to set notifications for upcoming fertile days based on cycle data.

→ Enter if the user wants to receive alerts for cycle phases

→ Enter if the user wants to receive alerts reminding them to use the given birth control type

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User Story 1.3:As a female user, I want to be able to view my menstrual cycle through a calendar view

(Starting at CYCLE VIEW home screen)

→User views cycle tracker screen upon opening the app

→User selects the calendar icon in the bottom left section of the interface

→User is brought to the calendar interface

→User selects the profile icon in the bottom right corner of the interface

→User is brought to profile view, which includes yearly information

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User Story 3.1: As a woman, I would like to input my dietary restrictions into the application.

→User selects the given phase on the home screen(Brought to phase overview screen)

→User selects “Food Recommendations” option in middle of screen(Brought to dietary restrictions screen if never selected)

→User enters given dietary restrictions

→User enters if they would like to receive dietary notifications

→This same sequence of selections will now bring the user to the actual recommendations page.

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User Story 3.3: I would like to log my energy levels to see what food recommendations help with my energy at each stage of my cycle.

→User selects the given phase on the home screen(Brought to phase overview screen)

→User selects “Energy Level” right below “Food Recommendations”

→User is brought to the “Energy Level” pop-up screen and selects their given level

→ This story's documentation is to be finished once the Figma for the story is done; if the Product Owner decides to make an additional screen to visualize energy level tracking that will be included.

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**Business Process for Male Assigned at Birth:**

User Story 2.1: As a male user, I want to enter my testosterone cycle data to predict my upcoming cycle dates.

→Enter name

→Enter gender assigned at birth(Male)

→User provided with automated user ID for backend(PK)

→Enter Age

→Enter Height

→Enter Weight

→Enter testosterone enhancements

→Enter testosterone diminutions

→Enter work schedule(Could use a calendar and highlighting feature, up to Product Owner)

(We also need to figure out how to deal with inconsistent schedules)

→Enter sleep schedule(Same as above)

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User Story 2.2: Enable male users to set notifications for upcoming fertile time slots in a given day based on cycle data.

→ Enter Caloric Maintenance/Surplus/Deficit

→If unknown, leave an option for that

→High Protein diet (Y/N)

→To decipher “high protein”, Product Owner may set parameters.

→Enter if the user would like to receive dietary reminder notifications

→Enter if the user would like to receive testosterone cycle notifications

→Enter if the user would like to receive sleep-effectiveness notifications

→Enter if the user would like to receive additional informative notifications(ex. Sports Team)

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User Story 4.1: As a man, I would like to interact with the interface and be able to see my recommendations for the day.

→User selects the given phase on the home screen(Brought to phase overview screen)

→User selects “Food Recommendations” option in middle of screen(Brought to dietary restrictions screen if never selected)

→User enters given dietary restrictions

→User enters if they would like to receive dietary notifications

→This same sequence of selections will now bring the user to the actual recommendations page.

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User Story 4.2: As a man, I would like to input my dietary restrictions.

→This user story was combined with User Story 4.1 upon building out the Figma.

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User Story 4.3: As a man I would like to log my energy levels to see what food recommendations help with my energy at each stage of my cycle.

→User selects the given phase on the home screen(Brought to phase overview screen)

→User selects “Energy Level” right below “Food Recommendations”

→User is brought to the “Energy Level” pop-up screen and selects their given level

→ This story's documentation is to be finished once the Figma for the story is done; if the Product Owner decides to make an additional screen to visualize energy level tracking that will be included.

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User Story 4.4: I would like a notification to remind me to log my energy levels at the end of each day.

→ To be determined based on the last bullet point on User Story 4.3.

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Epics 5 and 6 will need to be added to this document at a later date once the Figma is developed