

**HUMAN COMPUTER INTERACTION  
FINAL PROJECT  
SCENARIO & TESTING REPORT**



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**BINUS INTERNATIONAL UNIVERSITY**

**2022**

## **A. Main Scenarios**

### **1. Scenario A: Belle the pregnant woman (first pregnancy during her first trimester).**

Belle is a young adult experiencing her first-time pregnancy. As it was her first time, she was really concerned because she had no prior knowledge about being pregnant. For her pregnancy, she wanted to ensure that she could find reliable and trustworthy information regarding her as a pregnant woman and her baby. Thus she asked for advice from her sister, Vania, who had been pregnant twice before her. Luckily she was introduced to a website, namely mom+, by her sister who was also a user of it. Her goal was to keep up a healthy pregnancy. Not only for the baby, but also for herself by learning information. So, she opened up mom+'s website. The user interface of the website was straightforward and easy to understand. So she glided through the main page and was relieved by the reasons why she could trust mom+ written on the main page. She then explores the features on the website, firstly by clicking on the 'Try Now' button available in the 'Month-by-Month Pregnancy Articles' section. Once clicked, she was redirected to a page that loads available articles sorted according to the month of pregnancy. As she was in her first month of pregnancy, she clicked on the 'Month 1 of Pregnancy' articles. There, she could read and learn all information in an easy-to-read format about a healthy and balanced diet, how to manage her pregnancy symptoms, embryo size, and much more. Belle now felt more at ease about her pregnancy.

### **2. Scenario B : Matt the loving husband of his pregnant wife.**

Matt is a loving husband to his wife, Bri. His wife is having her pregnancy for the first time. Being a father who would have his first baby, he was clueless about how to nurture a woman during pregnancy. He didn't want to be a useless husband around Bri's pregnancy period, so he started to research traditional diets than can be followed during pregnancy through Youtube, elders, books, and basically everything he could lay his hands on. He also sought advice from his friend, Louis, whose wife has had two babies already. Louis then recommended a website called mom+. A website that has been really helpful to him as it provides a lot of reliable information and articles about pregnant moms. He briefly explained how to utilize the website to find articles related to pregnant moms. After that, Matt started exploring the website himself, so he opened the mom+ website. The website immediately displayed the 'Month-by-Month Pregnancy Articles' page, and there was a 'Try Now' button below the page's description. Intrigued to try, he clicked on the button and was redirected to a page showing a list of articles based on the month of pregnancy. On that page, he realizes he can learn a lot of information regarding a healthy diet for Bri, their baby's needs, how to deal with Bri's unstable emotions during her pregnancy, and much more. As a result, he feels more confident now as a father who can take responsibility for his baby.

3. Scenario C : Tirza the pregnant woman (second pregnancy during her third trimester).

Tirza is a young adult experiencing her second pregnancy, she is currently in her third trimester. As it was her second time being pregnant, she already had prior knowledge about being pregnant due to her being a user of mom+ during her first pregnancy. Therefore, she already knows the functionalities of the website. She has been keeping track of a healthy weight for the whole trimester by regularly measuring her BMI in the 'Pregnancy BMI' feature available on mom+. To do that, she opened up the mom+ website and chose 'Pregnancy BMI' from the options available on the main page. There, she can type in the information required for the BMI, like her week of pregnancy, her pre-pregnancy weight, her weight right now, and her height. Then, she clicked on the 'Calculate' button to get the results. She felt the convenience of the feature as she was able to easily calculate her pregnancy BMI, keeping nutritional health for her and the baby. Then, as she was in her third trimester, that meant she was close to the due date. She wanted to be prepared for her labor day by preparing a hospital bag two weeks prior to her due date. From the options available on the main page, she chose the 'Pregnancy Due Date Calculator', where she inputs the first day of her last period and the cycle length. Then, she clicked on the 'Calculate My Due Date' button and got the results. Because of that, she can prepare her hospital bag for labor day two weeks before the due date, being prepared for it.

## B. Test Case

### Test Scenario: Test Article Page Functionality

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results
A - Belle	Learning trustworthy and reliable information through the Month-by-Month Articles feature (Choosing the 'month 1 of pregnancy' from the options).	1. Open mom+ website and go through the options from the navigation arrow 2. Pick the Month-by-Month Articles section (by clicking 'try now' under the section's description) 3. Pick the desired month of pregnancy (by clicking the subtitle. I.e. 'Month 1 of Pregnancy').	<ul style="list-style-type: none"><li>Section option = Month-by-Month Articles</li><li>Articles option = Month 1 of Pregnancy</li></ul>	Successfully entered the articles section.
B - Matt	Learning trustworthy and reliable information through the Month-by-Month Article feature (Choosing the 'month 1 of pregnancy' from the options).	1. Open mom+ website and go through the options from the navigation arrow. 2. Pick the Month-by-Month Articles section (by clicking 'try now' under the section's description) 3. Pick the desired month of pregnancy (by clicking the subtitle. I.e. 'Month 1 of Pregnancy').	<ul style="list-style-type: none"><li>Section option = Month-by-Month Articles</li><li>Articles option = Month 1 of Pregnancy</li></ul>	Successfully entered the articles section.

### Test Scenario: Test Pregnancy Calculator Due Date and Pregnancy BMI Calculator Functionality

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results
C - Tirza	Determine if the mom's weight is healthy or not through calculating pregnancy BMI and calculate the due date of the pregnancy..	1. Open mom+ website and go through the options from the navigation arrow 2. Pick the Pregnancy BMI Calculator section (by clicking 'try now' under the section's description) 3. Fill in the required informations to calculate the BMI (Your week or pregnancy, your pre-pregnancy weight, your weigh right now, your height, and whether you are carrying	<ul style="list-style-type: none"><li>Section option = Pregnancy BMI</li><li>Week of pregnancy =</li><li>Pre-pregnancy weight =</li><li>Her weight now =</li><li>Her height =</li><li>First day of last period =</li><li>Cycle length =</li></ul>	Pregnancy BMI and Due Date Calculator can be successfully calculated and be printed out.

		<p>twins or not)</p> <p>4. Click the 'Calculate' button</p> <p>5. Click 'Recalculate' button to recalculate by going back to the previous page</p> <p>6. Click the hamburger menu icon</p> <p>7. Click 'Due Date Calculator'</p> <p>8. Fill in the required informations to calculate the due date (The first day of your last period and cycle length)</p> <p>8. Click the 'Calculate My Due Date' button</p>		
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