

Beverage Booker	
Iteration Plan 4	Date: 27/04/20

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1. Key milestones

Milestone	Date
Iteration start	27/04/20
Create User implemented	29/04/20
Login implemented	30/04/20
Testing completed for Create User & Login	01/05/20
Browse Menu implemented	06/05/20
Browse Menu tested	08/05/20
Login - Shared Preferences implemented	08/05/20
Testing completed for Login - Shared Preferences	10/05/20
Iteration stop	10/05/20

2. High-level objectives

- Complete prioritised class diagrams
Outcome: Class diagrams are completed as a reference for each implementation to be performed this iteration
- Complete outstanding Browse Menu mockup
Outcome: Mockup is available as a reference for Browse Menu use-case that will be implemented this iteration
- Establish a local database on each team members computer for localised testing purposes
Outcome: Local MySQL database available on each team members computer ready for implementation and testing
- Implement the associated classes and PHP files for the Create User & Login use-cases
Outcome: Create User & Login use-cases and associated classes/PHP files are implemented in our project and are ready for testing
- Test the classes and PHP files for the Create User & Login use-case implementation
Outcome: All associated classes and PHP are tested for the Create User & Login use-cases
- Implement the associated classes and PHP files for the Browse Menu use-case
Outcome: Browse Menu use-case and associated classes/PHP files are implemented in our project and are ready for testing
- Test the classes and PHP files for the Browse Menu use-case implementation
Outcome: All associated classes and PHP are tested for the Browse Menu use-case
- Implement the associated classes and PHP files for the Fill Cart use-case
Outcome: Fill Cart use-case and associated classes are implemented in our project and are ready for testing

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9. Test the classes and PHP files for the Fill Cart use-case implementation
Outcome: All associated classes are tested for the Login use-case
10. Implement the classes and PHP files for the Place an Order use-case
Outcome: Place an Order use-case and associated classes/PHP files are implemented in our project and are ready for testing
11. Test the classes and PHP files for the Place an Order use-case implementation
Outcome: All associated classes and PHP are tested for the Place an Order use-case
12. Perform any research or self-guided study to find solutions for upcoming project implementation tasks
Outcome: A better understanding of how we can implement parts of our project

3. Work Item assignments

The following Work Items will be addressed in this iteration:

Work Item ID	Name or key words of description	Outcome	State	Assigned to (name)	Estimated Hours	Hours worked	Estimate of hours remaining
1.0	Complete prioritised class diagrams	Class diagrams for implemented use-cases of Create User and Login completed. Browse Menu class diagram was not completed.	Incomplete	Multi	5	1	3
1.1	Complete class diagram for the Create User use-case	A class diagram of the Create User use-case has been completed.	Complete	Benn	1	0.50	0
1.2	Complete class diagram for the Login use-case	A class diagram of the Login use-case has been completed.	Complete	Benn	1	0.50	0
1.3	Complete class diagram for the Browse Menu use-case	Browse Menu class diagram was not completed and carries over to the next iteration.	Incomplete	Emily	1	0	1
1.4	Complete class diagram for the Fill Cart use-case	We did not begin the Fill Cart use-case implementation this iteration. The class diagram will carry over to the next iteration.	Incomplete	Jacob	1	0	1
1.5	Complete class diagram for the Place an Order use-case	We did not begin the Fill Cart use-case implementation this iteration. The class diagram will carry over to the next iteration.	Incomplete	Jake	1	0	1

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2.0	Complete outstanding Browse Menu mockup	Mockup created for the Browse Menu screen and Fill Cart screen.	Complete	Jake	0.50	0.9	0
2.1	Create Mockup for Browse Menu screen	Mockup created.	Complete	Jake	0.25	0.6	0
2.2	Create Mockup for Cart screen	Mockup created.	Complete	Jake	0.25	0.3	0
3.0	Establish a local database on each team members computer for localised testing purposes	Team members have created a working test database on their home machine.	Incomplete	Multi	2	1.25	1
3.1	Create local MySQL database	Local database with 'users' table set up for localised testing	Complete	Benn	0.5	0.25	0
3.2	Create local MySQL database	Local database is up and running with an available 'users' table to access in the app.	Complete	Jake	0.5	0.75	0
3.3	Create local MySQL database	Local database functional and tested for "users" table	Complete	Emily	0.5	0	0.5
3.4	Create local MySQL database	Local database working and tested by creating a new user	Complete	Jacob	0.5	1	0
4.0	Implement the associated classes and PHP files for the Create User & Login use-case	Create User and Login use-cases implemented and ready for testing	Complete	Benn	10	17.5	0
4.11 4.12	Implement classes for Create User	Classes and UI implemented for Create User use-case	Complete	Benn	2	4	0
4.21 4.22	Implement PHP files for Create User	PHP/Slim framework implemented with Create User function	Complete	Benn	2	3.5	0
4.3	Implement classes for Login	Classes and UI implemented for Login use-case	Complete	Benn	2	4	0
4.4	Implement PHP files for Login	PHP/Slim framework now including Login function	Complete	Benn	2	3	0
4.5	Implement Login Shared Preferences class	Shared Preferences class created to save users logged in state and user data	Complete	Benn	2	3	0
5.0	Test the associated classes and PHP files for the Login implementation	Testing was carried out, but a problem with chrome/google syncing didn't save the testing scripts and results. The testing will be redone next iteration.	Incomplete	Emily	8	0	8

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5.1	Test classes for Create User	Testing was carried out, but a problem with chrome/google syncing didn't save the testing scripts and results. The testing will be redone next iteration.	Incomplete	Emily	2	0	2
5.2	Test PHP files for Create User	Testing was carried out, but a problem with chrome/google syncing didn't save the testing scripts and results. The testing will be redone next iteration.	Incomplete	Emily	2	0	2
5.3	Test classes for Login	Testing was carried out, but a problem with chrome/google syncing didn't save the testing scripts and results. The testing will be redone next iteration.	Incomplete	Emily	2	0	2
5.4	Test PHP files for Login	Testing was carried out, but a problem with chrome/google syncing didn't save the testing scripts and results to our shared drive. The testing will be redone next iteration.	Incomplete	Emily	2	0	2
5.5	Test classes for Login_SharedPrefs	Tested that the java classes for the Login_SharedPrefs use case were implemented correctly which they were.	Complete	Jake	2	2.5	0
6.0	Implement the associated classes and PHP files for the Browse Menu use-case	Browse Menu use-case and associated classes/PHP files are implemented in our project and are ready for testing	Complete	Multi	4	12	0
6.11	Implement classes for Browse Menu	Created classes and files to accomodate for the implementation of Browse Menu.	Complete	Emily	2	4	0
6.12	Make needed adjustments to classes for Browse Menu implementation	Adjusted existing classes and added more classes to accommodate the implementation of Browse Menu.	Complete	Jacob	2	6	0
6.2	Implement PHP files for Browse Menu	Added to existing PHP files to accommodate for the implementation of Browse Menu.	Complete	Jacob	2	2	0

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7.0	Test the associated classes and PHP files for the Browse Menu implementation	All associated classes and PHP are tested for the Browse Menu use-case	Complete	Jake	4	5	0
7.1	Test classes for Browse Menu	Tested that the java classes for the Browse Menu use case were implemented correctly and they were implemented correctly by getting results through the debug log in Android Studio.	Complete	Jake	2	3	0
7.2	Test PHP files for Browse Menu	Tested that the PHP implementation worked correctly - results were obtained with postman for this specific test.	Complete	Jake	2	2	0
8.0	Implement the classes and PHP files for the Fill Cart use-case	Was not completed this iteration due time constraints. Some research was carried out about how to implement Fill Cart within Android Studio or using PHP/MySQL.	Incomplete	Jacob	4	1	4
8.1	Implement classes for Fill Cart	Not completed. Will be prioritised next iteration.	Incomplete	Jacob	2	1	2
8.2	Implement PHP files for Fill Cart	Not completed. Will be prioritised next iteration.	Incomplete	Jacob	2	0	2
9.0	Test the classes and PHP files for the Fill Cart implementation	Not completed. Will be prioritised next iteration.	Incomplete	Jake	4	0	4
9.1	Test classes for Fill Cart	Not completed. Will be prioritised next iteration.	Incomplete	Jake	2	0	2
9.2	Test PHP files for Fill Cart	Not completed. Will be prioritised next iteration.	Incomplete	Jake	2	0	2
10.0	Implement the associated classes and PHP files for the Place an Order use-case	Not completed. Will be prioritised next iteration.	Incomplete	Jake	4	0	4
10.1	Implement classes for Place an Order	Not completed. Will be prioritised next iteration.	Incomplete	Jake	2	0	2
10.2	Implement PHP files for Place an Order	Not completed. Will be prioritised next iteration.	Incomplete	Jake	2	0	2

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11.0	Test the associated classes and PHP files for the Place an Order implementation	Not completed. Will be prioritised next iteration.	Incomplete	Jacob	4	0	4
11.1	Test classes for Place an Order	Not completed. Will be prioritised next iteration.	Incomplete	Jacob	2	0	2
11.2	Test PHP files for Place an Order	Not completed. Will be prioritised next iteration.	Incomplete	Jacob	2	0	2
12.0	Perform any research or self-guided study to find solutions for upcoming project implementation tasks	Research was conducted into how to implement Login, Browse Menu and Fill Cart. Some PHP research was also completed, but will carry over as a task for next iteration.	Incomplete	Multi	14	13.5	2.5
12.1	Conduct research into how menus, cart, or logged in state can be implemented within Android Studio	A better understanding of Android Studio and features such as RecyclerView and SharedPreferences	Complete	Benn	4	3.5	0
12.2	Research into how to go about implementing Fill Cart use-case and analyse other implemented use-cases.	A better understanding of Android Studio and the API/PHP, a better understanding of previous commits/implementations.	Complete	Jacob	4	6	0
12.3	Conduct more research into how to implement logged in state, Browse Menu, and the Fill Cart Use-Case	Clear understanding of how we can use Shared Preferences for the Logged in state. Also clear understanding of Browse Menu using RecyclerView and PHP. A few ideas on how to implement Fill Cart Use-Case using either PHP or the MySQL database.	Complete	Benn	4	4	0
12.4	Complete a beginner tutorial on PHP coding	Have learnt some basic PHP early on in the course and have gained some more understanding. This job will carry over into the next iteration.	Incomplete	Benn	4	1.5	2.5

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4. Issues

Issue	Status	Notes
Many tasks in the previous iteration were not completed	Resolved	All team members made much better contributions to the project this iteration. Some tasks remain incomplete, but this is mainly due to us setting an overly ambitious goal of completing 5 use-cases to bring us back on schedule. We still managed to successfully implement 3 use-cases and the 2 outstanding from this iteration will carry over as a priority for next iterations tasks.
There were issues with communication among team members in the previous iteration	Resolved	Team members communicated much better this iteration. Generally more discussion in the chat and team members were responsive when pinged directly for information.

5. Assessment

Assessment target	To complete all assigned jobs by the end of the iteration.
Assessment date	10/05/20
Participants	Benn Curby, Emily Carter, Jake Durnford and Jacob Kennedy
Project status	Yellow

• Assessment against objectives

Objective	Status
Complete prioritised class diagrams	Incomplete - All class diagrams completed for implemented use-cases except for the Browse Menu class diagram
Complete outstanding Browse Menu mockup	Complete - Browse Menu mockup created along with a mockup for Fill Cart which will be the next use-case implemented
Establish a local database on each team members computer for localised testing purposes	Complete - All team members have the local testing database set up on their machines
Implement the classes and PHP files for the Create User & Login use-cases	Complete - The Create User and Login use-cases have been implemented in the Android Studio project. PHP files for communication with the server have also been implemented
Test the classes and PHP files for the Create User & Login use-case implementation	Complete - Testing carried out for Login and Create User use-cases with script based testing and Postman used to test the PHP on our local test

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	server.
Implement the classes and PHP files for the Browse Menu use-case	Complete - The Browse Menu use-case has been implemented in the Android Studio project. PHP files for communication with the server have also been implemented
Test the classes and PHP files for the Browse Menu use-case implementation	Complete - Testing carried out by Jake for Browse Menu implementation using test scripts and Postman to test PHP.
Implement the classes and PHP files for the Fill Cart use-case	Incomplete - The team did not get to implementing Fill Cart this iteration. Some research about how to implement it was carried out by Jacob and Benn. This use-case will be implemented as a priority next iteration.
Test the classes and PHP files for the Fill Cart use-case implementation	Incomplete - The team did not have time to complete this use-case this iteration. Testing for the Fill Cart implementation will carry over to the next iteration.
Implement the classes and PHP files for the Place an Order use-case	Incomplete - The team did not have time to complete this use-case this iteration. Implementation will be addressed next iteration.
Test the classes and PHP files for the Place an Order use-case implementation	Incomplete - The team did not have time to complete this use-case this iteration. Testing will be addressed next iteration.
Perform any research or self-guided study to find solutions for upcoming project implementation tasks	Complete - Research into how to implement Login, Browse Menu and Fill Cart within Android Studio was carried out this iteration. Some research into PHP and how to implement the PHP tasks was also carried out to help mitigate this risk.

6. Risk Mitigation

Risk	Status
The team has little experience using the PHP language (apart from the Competency Demo)	Ongoing but reduced - The risk that the lack of PHP experience represents has been reduced this iteration. Benn and Jacob both successfully implemented the PHP needed for Create User, Sign In, and Browse Menu. Benn has also started a beginner PHP tutorial to try and offset some of the risk.

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