Beverage Booker
Iteration Plan 6

1. Key milestones

Milestone	Date
Iteration start	25/05/20
Implement the Place Order use-case	05/06/20
Testing for Place Order use-case	07/06/20
Use Case Viability review	07/06/20
Iteration stop	07/06/20

2. High-level objectives

1. Implementation of Place Order use-case for the customer app
   Outcome: A functional checkout system for the Android Customer app

2. Conduct Unit Test, Integration Test and Static Review on the Place Order implementation
   Outcome: A Unit Test, Integration Test and Static Review has been carried out on the Place Order implementation and it is ready to merge

3. Implementation of the View Active Order use case
   Outcome: A functional View Active Order system for the Android Cafe Staff app

4. Conduct Integration Test and Static Review on the View Active Order implementation
   Outcome: An Integration Test and Static Review has been carried out on the View Active Order implementation and it is ready to merge

5. Review the Master Test Plan
   Outcome: Master Test Plan has been reviewed by another team member an updated where applicable

6. Review of Use-Cases at end of iteration 6 cycle
   Outcome: An updated list of use-cases and which ones we are implementing for the second half of the project

7. Conduct Unit Tests and Integration Tests on the Create User and Login implementations
   Outcome: A Unit Test and Integration Test has been carried out on the Create User and Login implementations

8. Conduct Testing Revision/Research for the upcoming testing tasks
   Outcome: Revise how to use JUnit and Mockito for upcoming testing tasks

9. Conduct any other needed research or risk-mitigation tasks relating to the project
   Outcome: Better understanding of tasks that lay ahead in the project and a reduction in overall risk

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	Implement the Place Order use-case for the Android Customer app	Place Order has been implemented and is adding users orders to the database	Complete	Benn	20	18.5	0
1.1	Implement Payment and Place Order Activity	Place Order and Payment activities implemented along with some basic XML layout files.	Complete	Benn	4	4	0
1.21 1.22	Implement the Place Order use-case on the Beverage server	Some adjustments made to the Android app in Place Order activity and API. On the server: placeOrder and invalidPayment methods implemented.	Complete	Benn	4	4	0
1.31 1.32	Implement input validation for Payment activity and display order items for Place Order activity	Input validation implemented for the Payment activity. A recyclerview is now displaying the users order items and order total on the Place Order screen.	Complete	Benn	4	4	0
1.41 1.42	Implement Order Confirmation activity	Order Confirmation activity implemented. In Payment activity credit card number input is now split into four input fields. On the server the placeOrder method now checks for empty parameters.	Complete	Benn	4	2.5	0
1.51 1.52	Conduct any research or planning needed to complete the Place Order use-case implementation	An overview of how the activities would be structured was drawn up before implementation. Research was also carried out for how payment would work along with placing the order.	Complete	Benn	4	4	0
2.0	Conduct Unit Test, Integration Test and Static Review on the Place Order implementation	Testing for the Place Order use-case implementation completed. Use-case passed testing.	Complete	Jacob	6.5	5.75	0

2.1	Conduct Integration Testing on the Place Order implementation for Application	Integration testing for Place Order implementation completed. Use-case passed integration testing.	Complete	Jacob	3	3	0
2.2	Conduct Integration Testing on the Place Order implementation for API	Integration testing for Place Order implementation completed. Use-case passed integration testing.	Complete	Jacob	3	2	0
2.3	Conduct a Static Review on the Place Order implementation	Static review completed before merging testing and implementation code. All commits look ready to merge.	Complete	Jacob	0.5	0.75	0
3.0	Implementation of the View Order use case	Base implementation completed, but still working on functionality and displaying data from the server.	Incomplete	Emily	11	8	3
3.1	Login requirement for staff	Login implemented but not completely functioning with server authentication. Job will carry over to the next iteration.	Incomplete	Emily	3	2	1
3.2	See all orders with scroll	Orders list view implemented but not completely functioning with data from the server. Job will carry over to the next iteration.	Incomplete	Emily	4	3	1
3.3	Have a focus view on the current order being processed	Activity for viewing order contents of a specific order implemented but not completely functioning with data from the server. Job will carry over to the next iteration.	Incomplete	Emily	4	3	1
4.0	Conduct Integration Test and Static Review on the View Active Order implementation	View Active Order implementation was not completed. Implementation and testing will carry over to the next iteration.	Incomplete	Benn	3.5	0	3.5
4.1	Conduct Integration Testing on the View Active Order implementation	View Active Order implementation was not completed. Implementation and testing will carry over to the next iteration.	Incomplete	Benn	3	0	3
4.2	Conduct a Static Review on the View Active Order implementation	View Active Order implementation was not completed. Implementation and testing will carry over to the next iteration.	Incomplete	Benn	0.5	0	0.5

5.0	Review the Master Test Plan	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	3	0	3
5.1	Review Master Test Plan after completing testing revision task and make any needed updates	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	3	0	3
6.0	Review of Use-Cases at end of iteration 6 cycle	The scope going forward into the Construction phase has been decided with the Event Booking and Table Booking systems being removed from the project.	Complete	All in Meeting	1	0.5	0
6.1	Reassess the priority order for the use cases	The team reviewed the use-case priority list and came to a decision that the list was correct and priorities had not changed.	Complete	All in Meeting	0.3	0.1	0
6.2	Determine which use cases are viable	The team came to a unanimous decision to alter the scope of the project and not implement the Event Booking and Table Booking use-cases.	Complete	All in Meeting	0.3	0.3	0
6.3	Remove impractical use cases (with explanation)	The use-case list has been updated and the use-cases being removed are marked in red. These updates will be applied to all relevant documentation for LCAM.	Complete	All in Meeting	0.4	0.1	0
7.0	Conduct Unit Tests and Integration Tests on the Create User and Login implementations	Server/API automated testing on Create User and Login was completed. Unit and Integration Testing will carry over to the next iteration.	Incomplete	Benn	13	2	9
7.1	Conduct Unit Testing on the Create User implementation	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	3	0	3
7.2	Conduct Unit Testing on the Login implementation	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	3	0	3
7.3	Conduct Integration Testing on the Create User & login implementation	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	3	0	3
7.4	Conduct server testing for Create User	Created a collection of automated tests using Postman for the Create User server code. All tests passed.	Complete	Benn	2	1.5	0

7.5	Conduct server testing for Login	Created a collection of automated tests using Postman for the Login server code. All tests passed.	Complete	Benn	2	0.5	0
8.0	Conduct Testing Revision/Research for the upcoming testing tasks	Better overall understanding of testing within Android Studio as well as using Postman for the server	Complete	Benn	4	4	0
8.1	Research into testing within Android Studios using JUnit	I now have a better understanding of how the testing works within Android Studio and some of the issues we will have to navigate with how our code is structured.	Complete	Benn	4	4	0
8.2	Research into creating and conducting automated tests with Postman	A clearer understanding of how to use Postman for API testing and also how to automate the tests.	Complete	Benn	4	2	0
9.0	Conduct any other needed research or risk-mitigation tasks relating to the project	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	4	0	4
9.1	Complete a beginner tutorial on PHP coding	Did not get to this task this iteration. This will carry over to the next iteration.	Incomplete	Benn	4	0	4

4. Issues

Issue	Status	Notes
There were no issues to report this iteration.		

5. Assessment

Assessment target	To complete all assigned jobs by the end of the iteration.
Assessment date	07/06/20
Participants	Benn Curby, Emily Carter, Jake Durnford and Jacob Kennedy
Project status	Yellow

6. Risk Mitigation

Risk	Status
The team has little experience using the PHP language (apart from the Competency Demo)	**Ongoing but reduced -** Benn implemented more PHP code for the Place Order use-case and increased his skills with PHP. He did not, however, get time to finish the beginner PHP course as planned. This task will carry over into the next iteration. The lack of PHP knowledge now represents a small risk, but shouldn't be marked as mitigated until the PHP course has been completed.
Jake not completing tasks that could prevent progress in the iteration due to other assignment work.	Jake passed his work items (the Place Order use case implementation) onto another member to complete so he could focus on his other work.