

Beverage Booker	
Iteration Plan 7	Date: 07/06/20

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Iteration Plan 7

1. Key milestones

Milestone	Date
Iteration start	08/06/20
Update UI	11/06/20
Update Fill Cart & Place Order use-case implementations	15/06/20
Re-test Fill Cart & Place Order after adjustments	15/06/20
Implement the View Active Order use-case	17/06/20
Testing for View Active Order use-case	18/06/20
Instrumented Testing for Create User & Login use-case	18/06/20
Postman tests completed and run against local server	18/06/20
API deployed and tested with Postman	19/06/20
Executable Architecture demo video created	22/06/20
FAT documents created and testing completed	23/06/20
Testing manifests for Customer & Cafe Staff App completed	24/06/20
Project documents updated for LCAM	24/06/20
Iteration stop	24/06/20

2. High-level objectives

- Update the customer app UI
Outcome: UI is clean and the layout is functional for the user
- Update project documents for LCAM
Outcome: Project documents reflect revised project scope for LCAM
- Implementation of the View Active Order use case
Outcome: A functional View Active Order system for the Android Cafe Staff app
- 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
- Deploy API to the web server and test it using Postman
Outcome: API is working on the web server and has been tested using Postman
- Conduct Instrumented Tests and Integration Tests on the Create User and Login implementations
Outcome: An Instrumented Test and Integration Test has been carried out on the Create User and Login implementations
- Create FAT documents for normal and alternate flows for Create User, Place Order and View Active Order use-cases and carry out testing scenarios with test scripts
Outcome: Each use case will be thoroughly tested for normal and alternate flows with the testing scenarios and scripts
- 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

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9. Create a short video demonstrating the executable architecture
Outcome: A video demonstrating the executable architecture for understanding of how the app works, as well as marking purposes
10. Update Fill Cart and Place Order implementations to work with revised database schema
Outcome: Fill Cart and Place Order implementations are fully functional with the revised database schema
11. Test the Fill Cart and Place Order use-cases are still functioning correctly after alterations made for new database schema
Outcome: Automated tests have been carried out on the Fill Cart and Place Order PHP/server implementations using Postman
12. Write automated Postman tests for Browse Menu use-case and run the automated test collection against the local server
Outcome: A full suite of automated Postman tests is then available for all use-cases. Running the full collection against the local server confirms the API is working as intended before deploying to the web server.
13. Document test results for each use-case in a testing manifest
Outcome: Each use-case has a manifest detailing what tests were carried out for each with links to the results under version control

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	Update the customer app UI layout	UI updated to be more usable and meet architecture goals.	Complete	Jake	5	5.5	0
1.1	Update Create User UI	Create User UI layout updated.	Complete	Jake	1	2.5	0
1.2	Update Login UI	Login UI layout updated.	Complete	Jake	1	1	0
1.3	Update Browse Menu UI	Browse Menu UI layout updated.	Complete	Jake	1	1	0
1.4	Update Fill Cart UI	Fill Cart UI layout updated.	Complete	Jake	1	0.5	0
1.5	Update Place Order UI	Place Order UI layout updated.	Complete	Jake	1	0.5	0
1.6	Static Review of UI Branch	Checked Jake's UI updates and they all look good. Confirmed the code is running on my machine and merged.	Complete	Benn	0.25	0.25	0
2.0	Update project documents for LCAM	All project documentation due for LCAM has been updated and completed.	Complete	Multi	39.5	29.75	0

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2.1	Revised Vision	Updated the vision documents to further align with our project.	Complete	Jacob	2.5	1.5	0
2.2	Full Use-Case Descriptions	Full set of use-case descriptions for Create User, Log In, Fill Cart, Place Order and View Active Order	Complete	Benn	2	3	0
2.3.1 2.3.2	Use-Case Models	Use-Case Models updated to revised scope of project. Table Booking and Event Booking subsystems removed. Menu Subsystem - use-case 'View Menu Item' changed to 'Browse Menu'.	Complete	Benn	1	1	0
2.4	Short Use-Case Descriptions	Short Use-Case Descriptions updated to revised scope of project. 'View Menu Item' use-case changed to 'Browse Menu'. Use-cases related to Table Booking and Event Booking subsystems removed.	Complete	Benn	0.5	0.75	0
2.5	Domain Model	Domain model updated with Event and Table booking models removed for LCAM.	Complete	Emily	1	.5	0
2.6	NFR Specification	Updated the NFR specifications document to align it with our project.	Complete	Jacob	3	2	0
2.7	NFR Checklist	Updated the NFR checklist document to align it with our project.	Complete	Jacob	2.5	2	0
2.8.1	Architecture Notebook - Document	Completed Architecture Notebook changes up to version 1.2	Complete	Benn	4	2.5	0
2.8.2	Architecture Notebook - Document	Updated Architecture Notebook to reflect changes made to diagrams in it and other changes that impacted the architecture.	Complete	Jake	3	3	0
2.8.3	Architecture Notebook - Class Diagram (Customer App)	Updated Customer App class diagram to current implementation.	Complete	Benn	4	3	0
2.8.4	Architecture Notebook - Class Diagram (Cafe Staff App)	Made a class diagram for the Cafe Staff App.	Complete	Jake	3	3.5	0
2.8.5	Architecture Notebook - Component Diagram	Made minor changes to the component diagram have it	Complete	Jake	3	1	0

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		read to include in the notebook.					
2.9	Master Test Plan	Master Test Plan updated to current testing practices and revised scope of project.	Complete	Benn	4	2.5	0
2.10	Project Plan	Project Plan updated to current scope of project for LCAM.	Complete	Emily	1	1	0
2.11	Risk List	Risk List updated to current scope of project for LCAM.	Complete	Emily	1	.5	0
2.12	Elaboration Phase Project Status Assessment	Elaboration Phase Assessment completed with current information for LCAM submission.	Complete	Emily	4	2	0
3.0	Implementation of the View Order Use-Case	View Active Order use-case fully implemented. Emily implemented 90% of this use-case and Benn applied last fixes as Emily had her exam coming up.	Complete	Emily/ Benn	13	28	0
3.1	Login requirement for staff	Framework and and activity were completed, but I required help with the API/Server , Benn finished that part off	Complete	Emily	2	2	0
3.2	See all orders with scroll	Orders list scrollbar working smoothly.	Complete	Emily	0.5	0.5	0
3.2.1	Create Recyclerview & adapter	Recyclerview & adapter created	Complete	Emily	4	5	0
3.2.3	API/Server	The orders are displayed with a button to begin the selected order	Complete	Emily	3	4	0
3.3	Activity for individual orders	Individual order activity created.	Complete	Emily	1	0	1
3.3.2	Create Recyclerview & adapter	The UI framework for displaying an individual order was created	Complete	Emily	4	5	0
3.3.3	API/Server	Some of this required help to complete due to time restrictions for troubleshooting. Benn assisted	Complete	Emily	3	6	0
3.4.1 3.4.2	Fix View Active Order so current order list and individual items for each order are displayed	Adjustments made to API calls. Main order list and individual order items are	Complete	Benn	4	4	0

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		displayed correctly from the server.					
3.5.1 3.5.2	Fix login for staff and adjust orders list so latest orders are pulled from the server	Login for staff members now working off their staff ID. The call to the server for orders list is now wrapped in a timer, so the order list is updated at 5 second intervals.	Complete	Benn	2	2	0
4.0	Conduct Integration Test and Static Review on the View Active Order implementation	Integration testing was carried out, with testing for staff login, viewing a list of active orders and viewing items of an order. All testing passed.	Complete	Benn	3.5	2.25	0
4.1	Conduct Instrumented Testing on the View Active Order implementation	An instrumented test was written for View Active Order. This test checked logging in for staff, viewing the active order list, and also checked for specific order items. This instrumented test was checking for an order placed by the instrumented Place Order test, with all tests passing.	Complete	Benn	3	2	0
4.2	Conduct a Static Review on the View Active Order implementation	Static Review performed and all code showed no errors. Merged the code to master.	Complete	Benn	0.5	0.25	0
5.0	Deploy API to the web server and test it using Postman	Beverage API deployed to the web server. Database and tables setup on the web server. Ran all LCAM use-case tests against the web server and all 144 passed.	Complete	Benn	6	5	0
5.1	Deploy API to web server	Changed the address and password in the API constants file. Zipped the folder and pushed it to the server. Pointed the Android app to the server address.	Complete	Benn	1	1	0
5.2	Test Create User use-case using Postman	Changed all the test URL addresses to point to the server and ran the tests. All Create User tests passed.	Complete	Benn	1	0.5	0
5.3	Test Log In use-case using Postman	Changed all the test URL addresses to point to the	Complete	Benn	1	0.5	0

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		server and ran the tests. All Log In tests passed.					
5.4	Test Brows Menu use-case using Postman	Changed all the test URL addresses to point to the server and ran the tests. All Browse Menu tests passed.	Complete	Benn	1	0.25	0
5.5	Test Fill Cart use-case using Postman	Changed all the test URL addresses to point to the server and ran the tests. All Fill Cart tests passed.	Complete	Benn	1	0.75	0
5.6	Test Place Order use-case using Postman	Changed all the test URL addresses to point to the server and ran the tests. All Place Order tests passed.	Complete	Benn	1	1	0
5.7	Test View Active Order use-case using Postman	Changed all the test URL addresses to point to the server and ran the tests. All View Active Order tests passed.	Complete	Benn	1	0.5	0
5.8	Run full collection of Postman tests against API	Combined each individual use-case collection into a large collection encompassing all use-cases for LCAM. Ran the tests and all 144 passed.	Complete	Benn	1	0.5	0
6.0	Conduct Instrumented Tests and Integration Tests on the Create User and Login implementations	Instrumented testing was carried out on Create User & Login. These two instrumented tests were then run in conjunction to perform the integration test. All testing passed.	Complete	Benn	9	4.75	0
6.1	Conduct Instrumented Testing on the Create User implementation	Automated instrumented test was created that checks different scenarios of input before creating a new user account. All testing passed.	Complete	Benn	3	2.5	0
6.2	Conduct Instrumented Testing on the Login implementation	Automated instrumented test was created that checks different scenarios of input before logging the created user in. All testing passed.	Complete	Benn	3	1.5	0
6.3.1 6.3.2	Conduct Integration Testing on the Create User & login implementation	The integration test was carried out by running the create user then login instrumented tests. The first creates the account and the second logs that new user in. Integration testing passed with the user logged in.	Complete	Benn	0.5	0.5	0

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6.4	Conduct a Static Review of the testing before merging	Quick static review performed to check for any errors. All looked good and the tests were merged.	Complete	Benn	0.25	0.25	0
7.0	Create FAT documents for normal and alternate flows for Place Order use-case and View Active Order use-case	FAT documents for customer and cafe apps completed. All team members have completed test scripts one time each.	Complete	Multi	20	17.5	0
7.1.1	Create FAT document for normal and alternate flows of Customer side Create User & Log In use-cases.	FAT document that includes testing for the sub use-cases Create User & Log In.	Complete	Benn	4	4	0
7.1.2	Create FAT document for normal and alternate flows of Customer side Place Order use-case.	FAT document that includes testing for the sub use-case Browse Menu & Fill Cart.	Complete	Benn	2	2	0
7.1.3	Create FAT document for normal and alternate flows of Customer side Browse Menu & Fill Cart use-cases.	FAT document that includes testing for the sub use-case Browse Menu & Fill Cart.	Complete	Benn	2	2	0
7.2	Create FAT document for normal and alternate flows of cafe side View Active Order	FAT document that includes testing for the View Active Order.	Complete	Benn	2	1.5	0
7.3.1 7.3.2	Complete FAT tests present in the document	All FATs from both Customer and Cafe Staff documents completed.	Complete	Benn	2	2	0
7.4	Complete FAT tests present in the document	Carried out FAT testing for both applications with successful results.	Complete	Jacob	2	2	0
7.5	Complete FAT tests present in the document	Carried out FAT testing for both applications with successful results.	Complete	Emily	2	2	0
7.6	Complete FAT tests present in the document	Completed FAT testing resulting with all my tests passing.	Complete	Jake	2	2	0
8.0	Conduct any other needed research or risk-mitigation tasks relating to the project	Benn did not get time to finish the PHP course due to heavy LCAM work load. The course will be completed during the session break.	Incomplete	Benn	4	0	4
8.1	Complete a beginner tutorial on PHP coding	Benn did not get time to finish the PHP course due to heavy LCAM work load. The course will be	Incomplete	Benn	4	0	4

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		completed during the session break.					
9.0	Create a short video demonstrating the executable architecture	Created a short video to demonstrate the functionality of both Customer and Staff applications.	Complete	Jacob	1	2.5	0
9.1	Create a short video demonstrating the executable architecture	Created a short video to demonstrate the functionality of both Customer and Staff applications.	Complete	Jacob	1	2.5	0
10.0	Update Fill Cart and Place Order implementations to work with revised database schema	The Fill Cart and Place Order use-case implementations are now working with the revised database schema.	Complete	Benn	6	5.75	0
10.1.1 10.1.2 10.1.3 10.1.4	Update the Fill Cart use-case implementation so cart items will be placed in the new 'cart' and 'cartitem' tables	Items are added to cart with the new table structure and when the user views the cart activity all functionality is working correctly such as cart items displaying and toast messages.	Complete	Benn	4	4	0
10.2.1 10.2.2	Update the Place Order use-case implementation so that users order is placed in the new 'orders' table	The server PHP code is now successfully adding a user order to the new 'orders' table.	Complete	Benn	1	1	0
10.3	Update the Fill Cart and Place Order implementations so prices are displaying in the correct format with 2 decimal places	Prices in the Menu, Cart and Order activities are all displaying in the correct 2 decimal place format.	Complete	Benn	1	0.75	0
11.0	Test the Fill Cart and Place Order use-cases are still functioning correctly after alterations made for new database schema	Both the Fill Cart and Place Order use-cases were tested and were found to be working correctly after the adjustments for the revised database schema.	Complete	Benn	3.5	3.5	0
11.1	Write and run automated Postman tests for Fill Cart	Automated Postman tests were written for Fill Cart. All tests passed run against the local server. The test checked different scenarios, such as an empty cart, empty parameters, and a "happy day scenario"	Complete	Benn	1	1	0

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		where an item was added to cart successfully.					
11.2	Write and run automated Postman tests for Place Order	Automated Postman tests were written for Place Order. All tests passed run against the local server. The test checked different scenarios, such as bad payment, empty parameters, and a “happy day scenario” where an order is placed successfully.	Complete	Benn	1	1	0
11.3	Run automated Fill Cart instrumented test against Customer app	Instrumented tests for Fill Cart were run and all tests passed.	Complete	Benn	0.5	0.5	0
11.4	Run automated Place Order instrumented test against Customer app	Instrumented tests for Place Order were run and all tests passed.	Complete	Benn	0.5	0.5	0
11.5	Run both Fill Cart and Place Order instrumented tests together as an integration test	Both tests were run again to check that the use-cases are working together. The integration testing passed with an item added to cart in the first test and an order placed for that item in the second test.	Complete	Benn	0.5	0.5	0
11.6	Static Review of the Android App implementation adjustments	Static Review performed and all code showed no errors. Merged the code to master.	Complete	Benn	0.25	0.25	0
12.0	Write automated Postman tests for Browse Menu use-case, update the Create User and Login tests, and run the entire automated test collection against the local server	Create User and Login tests were updated for the new HTTP response codes. An automated test was written for Browse Menu. The entire collection was run against the local server and all 144 tests passed.	Complete	Benn	3.5	2.5	0
12.1	Write automated Postman tests for the Browse Menu use-case and run against the local server	Automated test for Browse Menu was run against the local server. The test was looking for a HTTP response code of 200 and a body of menu items. The test passed.	Complete	Benn	0.5	0.5	0

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12.2	Make adjustments to Create User automated Postman tests to reflect changes to database and HTTP response codes. Run the adjusted Create User tests against the local	Create User Postman tests were adjusted to work with the new HTTP code responses. Ran the set of automated tests and all tests passed. Checked that a user is not created when a field is empty, created a user, then tried to create the same user again to check the same user cannot be registered twice.	Complete	Benn	1	0.75	0
12.3	Make adjustments to Log In automated Postman tests to reflect changes to database and HTTP response codes. Run the adjusted Log In tests against the local server	Adjustments were made to the Log In test collection and ran against the local server. All tests passed. Tested checked for logging in with invalid data before logging in a user with an existing account from the Create User tests run previously.	Complete	Benn	1	0.5	0
12.4	Run the entire Postman automated test collection for all use-cases against the local server. This includes: Create User, Log In, Browse Menu, Fill Cart, Place Order and View Active Order.	The full test collection (144 tests) was run against the local server. All use-cases and their individual tests passed.	Complete	Benn	1	0.75	0
13.0	Document test results for each use-case in a testing manifest	Both the Customer App and Cafe Staff App have their testing completely documented.	Complete	Benn	10	8.5	0
13.1	Testing manifest document for Customer App - Create User & Log In use-cases	Testing records of all tests carried out for the use-cases: Create User & Log In.	Complete	Benn	4	3	0
13.2	Testing manifest document for Customer App - Browse Menu, Fill Cart & Place Order use-cases	Testing records of all tests carried out for the use-cases: Browse Menu, Fill Cart and Place Order.	Complete	Benn	4	4	0
13.3	Testing manifest document for Cafe Staff App	Testing records for the View Active Order use-case.	Complete	Benn	2	1.5	0

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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	24/06/20
Participants	Benn Curby, Emily Carter, Jake Durnford and Jacob Kennedy
Project status	Green

6. Risk Mitigation

Risk	Status
The team has little experience using the PHP language (apart from the Competency Demo)	Benn did not get time to finish the PHP course due to a heavy LCAM work load. The course will be completed during the session break.