

Individual Timesheets

David Auchterlonie (Student number: 1585335)

Ivan Von Staden (Student number: 1838664)

Jesse van der Merwe (Student number: 1829172)

Matthew Cresswell (Student number: 1834243)

May 2020

Individual Progress Report: David Auchterlonie

Date	Task description	Start time	End time	Total hours
09/03/2020	Setup github and make sure connections are worked. Decided on a to do list.	15:00	17:00	2
16/03/2020	Research and learning about Python3, Tkinter, SQLite	11:00	16:00	5
17/03/2020	Specific research about Tkinter	12:00	15:00	3
18/03/2020	Added login screen and alternate menu prototype	10:30	15:30	5
19/03/2020	Redid the login system and linked all new UI APIs to the backend. Added variable credentials to guest login.	10:30	13:30	3
20/03/2020	Changed the employee system from a login to a credential check on operations <ul style="list-style-type: none"> I.E. An employee would be automatically logged into the system but would then need to provide a username and password in order to change anything in the system 	11:00	14:00	3
22/03/2020	Code neatening and refining <ul style="list-style-type: none"> Cleared unnecessary testing functions 	11:30	14:00	2.5
26/03/2020	Various system updates <ul style="list-style-type: none"> Updated guest login and search to work with the new Collection Table. 	10:00	13:00	3
27/03/2020	Based on feedback from the client, reverted the employee system back to an initial login	10:00	14:00	4
31/03/2020	Worked on documentation with the group	10:00	13:30	3.5
01/04/2020	Worked on documentation Worked with Jesse to try and fix the bug causing the program to open twice.	10:00 14:00	13:00 16:00	5
09/04/2020	Worked on documentation for the project proposal with the group	10:00	14:00	4
10/04/2020	Put together project presentation with the group	10:00	14:00	4

17/04/2020	Finalised presentation and timings Added access level checks for employee operations Added error messages to the fridge menu to improve data integrity	10:00	15:00	5
19/04/2020	Presentation rehearsal	10:00	11:00	1
20/04/2020	Project proposal presentation Worked with Jesse to clean up and neaten code - this included a few structural changes to the code (to ensure that only one connection to the database is made).	10:30 13:00	11:00 16:30	4
21/04/2020	Added functionality for customers to view certain information Added various error messages to improve data integrity Worked with Jesse to fix merge errors Meeting with the client	11:00 16:00	14:00 16:30	3.5
22/04/2020	Revised the login system to go through a single screen	11:00	14:00	3
23/04/2020	Worked on documentation and status report Added functionality to allow supervisors to add new users to the system	10:00 12:00	11:30 13:30	3
01/05/2020	Meeting with Scott	11:00	11:45	0.75
03/05/2020	Worked with Jesse to improve the aesthetic of the program (ensuring uniform layout and design). Redesigned and reimplemented the monthly billing system. Restructured the program so that adding collection and client details is a separate window. General code house-keeping.	10:00 13:30	13:00 15:30	5
09/05/2020	Worked with Jesse to fix small bugs in the existing unit tests, as well as write more unit tests.	10:15 13:30	12:15 16:30	5
17/05/2020	Added data validation to search mode, improved UI consistency	11:00	14:00	3
22/05/2020	Worked with Jesse to implement the billing of newly added samples as well as the automatic billing to run every month.	10:30	13:30	3
27/05/2020	Met with the group to finalise documentation.	11:00	15:00	4

TOTAL HOURS		87.25
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Individual Progress Report: Ivan von Staden

Date	Task description	Start time	End time	Total hours
08/03/2020	Research and learning about Python 3, Tkinter and SQLite	07:00	11:00	4
09/03/2020	Setup github and make sure connections are worked. Decided on a to do list.	15:00	17:00	2
12/03/2020	Research and learning about Python3, Tkinter, SQLite	07:00	11:00	4
13/03/2020	Start of implementation my own test database with basic UI functionality	07:30	12:00	4.5
14/03/2020	Finish of implementation of my own test database with basic UI functionality	07:00	10:30	3.5
17/03/2020	Worked online with Jesse to combine the ideas we each had: <ul style="list-style-type: none"> - Created a SetupAPI that creates each table in the new database (box table and fridge table) - Created a DataAPI that will contain all the functions of the backend that the frontend will then access - AddFridge and AddBox functions - MoveBox function 	08:30 13:30	13:00 15:30	7.5
18/03/2020	Worked online with Jesse to add the following functionality: <ul style="list-style-type: none"> - Added to the SetupAPI (sample table) - Added to the DataAPI <ul style="list-style-type: none"> - AddSample function added - however some validation is still required - Delete box and delete fridge (only if empty) - Remove sample - Test UI created for samples - adding, moving and removing Added a general log system that records anything done in the database to a text file.	09:00 13:30 15:00	13:30 15:00 16:00	7
19/03/2020	Added individual logging system: <ul style="list-style-type: none"> - Each sample's movements and details of each is added to a text file per sample Created the login table for the frontend to use for logging in	07:00	11:00	4

24/03/2020	<p>Worked online with Jesse to add management functionality to the database</p> <ul style="list-style-type: none"> - Suggest an empty position in a box to insert a sample into - Suggest an empty position in a fridge to insert a box into - I made the backend functions and she added the required buttons and insertion spaces to the test UI <p>Improved the logging system to describe who did action (i.e. who is logged in at the time)</p>	07:30	11:30	4
31/03/2020	Imported Tkcalendar, tested the database for bugs, worked on documentation with group	10:00	13:30	3.5
07/04/2020	<p>Worked online with Jesse to add management support functionality to the database</p> <ul style="list-style-type: none"> - Added suggest sample location based on temperature range 	10:00	12:00	2
09/04/2020	Met with group to work on the proposal	10:00	14:00	4
10/04/2020	Met with group to work on presentation	10:00	14:00	4
16/04/2020	Worked with Jesse to add popup windows to warn employees of upcoming sample return/destroy dates.	10:00	14:00	4
17/04/2020	Presentation practice	10:00	12:00	2
17/04/2020	Added a billing system to backend	12:00	15:00	3
18/04/2020	Added to the setupAPI for automatic folder creation incase required folders do not exist	9:00	9:30	0.5
19/04/2020	More presentation practice	10:00	12:00	2
20/04/2020	Presentation	10:30	11:00	0.5
21/04/2020	Meeting with client	16:00	16:30	0.5
23/04/2020	Theory work with group	10:00	11:30	1.5
01/05/2020	Meeting with Scott	11:00	11:45	0.75
07/05/2020	Worked on additional data validation for auto sample addition	9:30	10:30	1

10/05/2020	Added additional data verification to the auto-add function	9:30	10:30	1
23/05/2020	Added basic stock taking feature with Jesse	9:30	11:30	2
27/05/202	Meeting for finalizing hand in	11:00	3:00	4
TOTAL HOURS				76

Individual Progress Report: Jesse van der Merwe (1829172)

Date	Task description	Start time	End time	Total hours
09/03/2020	Setup github and make sure connections are worked. Decided on a to do list.	15:00	17:00	2
12/03/2020	Research and learning about Python3, Tkinter, SQLite	08:00	11:00	3
13/03/2020	Start of implementation my own test database with basic UI functionality	18:00	23:00	5
14/03/2020	Finish of implementation of my own test database with basic UI functionality	10:00	15:00	5
17/03/2020	<p>Worked online with Ivan to combine the ideas we each had:</p> <ul style="list-style-type: none"> - Created a SetupAPI that creates each table in the new database: <ul style="list-style-type: none"> - Box table - Fridge table - Created a DataAPI that will contain all functions of the backend that the frontend will access - AddFridge and AddBox functions - MoveBox function <p>I created and improved upon a temporary UI that we can use to test if the backend is working:</p> <ul style="list-style-type: none"> - UI for adding and moving box, adding fridge - Temporary main menu UI 	08:30 13:30	13:00 15:30	7.5
18/03/2020	<p>Worked online with Ivan to add the following functionality:</p> <ul style="list-style-type: none"> - Added to the SetupAPI: Sample table - Added to the DataAPI - AddSample function added - however some validation is still required <ul style="list-style-type: none"> - Delete box and delete fridge (only if empty) - Remove sample - Test UI created for samples - adding, moving and removing <p>Added popup UI messages that warn user (instead of printing to console)</p>	09:00 13:30	13:30 15:00	6
19/03/2020	<p>Fixed merge issues.</p> <p>Helped Ivan fix a small bug in the logging system that he implemented - SQLite enforces data type integrity (and we were trying to print an integer).</p>	09:00	12:30	3.5

24/03/2020	<p>Worked online with Ivan to add management functionality to the database</p> <ul style="list-style-type: none"> - Suggest an empty position in a box to insert a sample into - Suggest an empty position in a fridge to insert a box into - He made the backend functions. I added the required buttons and insertion spaces to the test UI. <p>Implemented the CollectionTable:</p> <ul style="list-style-type: none"> - Created the table in SetupAPI with correct relationships between the SampleTable and CollectionTable - Added the dropdown option to select a collection when adding a sample - Added the option and functionality of creating a new collection before selecting a collection <ul style="list-style-type: none"> - This now refreshes properly <p>Implemented tkCalendar:</p> <ul style="list-style-type: none"> - This now creates a popup calendar widget that users must select a date from when inputting date fields (enforces data integrity in a nice clean easy way) 	08:30 14:30	11:30 17:30	6
31/03/2020	<p>Fixed a few small errors in the code:</p> <ul style="list-style-type: none"> - Cell number column needed to be “text” instead of “integer” - Added LogoutAll to the correct place so that it reflects who is logged in correctly in the logging file (since David returned the login system to normal) <p>Worked on documentation with the group</p>	10:00 11:30	11:30 13:30	3.5
01/04/2020	Worked with David to try and fix the bug causing the program to open twice.	14:00	16:00	2
05/04/2020	<p>Made major changes to the Box classes.</p> <ul style="list-style-type: none"> - Boxes were just placed sequentially in a fridge which is incorrect - this was changed so boxes are now placed in specific coordinates within a fridge (i.e. in a specific spot, on a specific shelf). - Suggest box had to be updated to suggest a coordinate in a fridge 	10:00	16:00	6
07/04/2020	<p>Worked online with Ivan to add management support functionality to the database</p> <ul style="list-style-type: none"> - Added suggest sample location based on temperature range 	10:00	12:00	2
09/04/2020	Met with group to work on the proposal	10:00	14:00	4
10/04/2020	Met with group to work on presentation	10:00	14:00	4
16/04/2020	Worked with Ivan to add popup windows to warn employees of upcoming sample return/destroy dates.	10:00	14:00	4

17/04/2020	Presentation practice Implemented the “view” mode to visually allow employees to search through fridges/boxes/samples. This dynamically creates the appropriate amount of buttons to represent however many fridges there are, if a fridge is clicked on, it then opens another tkinter window which dynamically creates the appropriate amount of buttons to represent however many boxes there are, etc (with samples).	10:00 13:00	12:00 17:00	6
19/04/2020	Presentation practice	10:00	12:00	2
20/04/2020	Project proposal presentation Worked with David to clean up and neaten code - this included a few structural changes to the code (to ensure that only one connection to the database is made).	10:30 13:00	11:00 16:30	4
21/04/2020	Worked with David to fix merge errors Meeting with the client	11:00 16:00	14:00 16:30	3.5
23/04/2020	Worked on documentation (status report)	10:00	11:30	1.5
01/05/2020	Meeting with Scott	11:00	11:45	0.75
02/05/2020	Worked online with Ivan to create functionality for employees to add samples via a text file (CVS file). Created the UI for autonomously adding samples.	9:30 12:00	11:30 14:00	4
03/05/2020	Worked online with David to improve the aesthetic of the program (ensuring uniform layout and design). Redesigned and reimplemented the monthly billing system. Restructured the program so that adding collection and client details is a seperate window. General code housekeeping. Sorted out all merge errors.	10:00 13:30 16:00	13:00 15:30 17:00	6
09/05/2020	Worked with David to fix small bugs in the existing unit tests, as well as write more unit tests.	10:15 13:30	12:15 16:30	5
17/05/2020	Fixed small errors as a group online Added fridge information to the box view windows in the view mode, added collections and test results to the search options, added test results button to the view mode and made a customer view mode	10:00	14:00	4

22/05/2020	Worked with David to implement the billing of newly added samples as well as the automatic billing to run every month	10:30	13:30	3
25/05/2020	Added a user interface for stock taking	15:00	16:00	1
27/05/2020	Met with group to finalise documentation and submission Created a 'delete user' user interface	11:00	15:00	4
TOTAL HOURS				108.25

Individual Progress Report: Matthew Cresswell (1834243)

Date	Task description	Start time	End time	Total hours
09/03/2020	Setup github and make sure connections are worked. Decided on a to do list.	14:00	17:00	3
16/03/2020	Research and learning about Python3, Tkinter, SQLite	10:30	16:00	5.5
18/03/2020	Start of basic personal GUI testing such as adding buttons, implementing labels, search fields and tables.	9:00	13:30	4.5
19/03/2020	Met Online with the group, discussed the progress of each member and devised plans on how to move forward. Provided updates of the work each member has done as well as git testing. Personal meeting with David to discuss the design and implementation of the GUI system and to split up roles in the FrontEnd development. Developed some basic UI as a group to decide whether certain features were necessary as well as discuss how the current layout should look and what the intended layout of the final product will look like.	9:30	15:00	5.5
23/03/2020	Created a basic search function that worked with the database. Only has capabilities for basic search and find of basic number ID's. Did not commit to the repository purely testing	12:00	14:30	2.5
25/03/202	Altered the search function to perform searches in the fridge window specifically. Search function can search for FridgeID, temperature, Shelf Number, Box Numbers, Box Width, Box Length and Box Height	11:30	13:30	2
31/03/2020	Worked on documentation with the group	10:00	13:30	3.5
08/04/2020	Worked on group with documentation for proposal	9:00	12:30	3.5
10/04/2020	Met as a group to discuss progress, and give roles for development with what was still needed to be done in further development. Tested out various UI features.	10:30	12:30	2

16/04/2020	Finalised search functions for fridges and created UI for the fridge search function.	11:00	13:00	2
17/04/2020	Created functions specifically for the Boxes. Allows for more detailed searching in specific sections of the database.	10:00	12:30	2.5
18/04/2020	Worked on UI design in fridge menu, login screens and main menu	11:00	14:00	3
19/04/2020	Implemented Search functions for Boxes and created Box search UI.	10:00	13:30	3.5
21/04/2020	Worked on and implemented similar UI design and layout for the box menu.	12:00	15:00	3
23/04/2020	Met as a group to discuss progress and develop a status report. Worked on Search mode UI and Search window. Started sample search function	10:00	14:00	4
25/04/2020	Display Samples was added to the repository. Began work on Sample search UI	11:00	14:30	3.5
01/05/2020	Sample Search window added to the search menu. Still errors that need fixing	12:00	16:30	4.5
03/05/2020	Sample Search fully functional all errors fixed. Fixed Sample UI.	10:00	13:00	4
13/05/2020	Worked on View Mode and View Mode UI	11:00	15:00	3
14/05/2020	Fridge View Mode Working, implemented spaced out grid layout, fridges open boxes window when clicked, boxes open samples tables when clicked.	12:00	16:00	4
17/05/2020	Worked on group documentation, making a user manual and overall UI touching up.	14:00	17:00	3
18/05/2020	Updated Table UI, altered search functions and began work on a User Manual for the application.	10:00	13:00	3
24/05/2020	ViewMode UI tables corrected, Samples, Boxes, & fridges tables updated and columns fixed, Auto add sample UI updated, auto add message added, Auto UI formatting changes and updates. Began work on User Manual	11:30	14:00	2.5
26/05/2020	User Manual finished. Group documentation worked on.	10:30	13:00	2.5
27/05/2020	Worked on final touches of the application and group documentation	10:00	14:00	4

TOTAL HOURS	83
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