

Release and Sprint Plans

Team Number 52

Student Number	Team Member Name
n8893900	Alvin Maluto
n9158219	Meera Lallu
n9196625	Kia Are
n9171207	Keith Lo
n9188207	Michael Smallcombe
n9165029	Greg Mills

Tutor:

Afsaneh Bahmani

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Release Plan

Release 1

Delivery date: 22 September 2016

Total Story Points: 40

Release One will contain deliverables that set up the primary functionality of the package delivery service. This release focuses on developing the initial databases, and the functions that initially populate the database tables with information. These include Account management, customer ordering, order overview, contact information and the added feature of allowing multiple packages per delivery.

Account Management

The Account Management feature assigns roles and access permissions of staff and customers.

Story ID	Story Title	Story Points
S3	Assign Staff Access Privileges	4
S36	View Existing Accounts	4
S32	Create User Account	4
S10	Edit Account Details	4
S15	Encrypted Passwords	2
Story Point Sub-Total:		18

Customer Ordering

This feature allows customers to place orders either through the web application or over the phone to ensure that On the spot can send a package to it's customer. This feature allows the business to

Story ID	Story Title:	Story Points
S7	Online Order Form	4
S18	Phone Order Form	2
Story Point Sub-Total:		6

Order Overview

Each order will have a significant amount of specific information, and providing methods to store and view this data could be useful for various stakeholders and other components of the system.

Story ID	Story Title	Story Points
S16	View Order Information	2
S6	Update Order Information	4
Story Point Sub-Total:		6

Contact Information

Provide customers with contact information.

Story ID	Story Title	Story Points
S24	Contact Details	2
Story Point Sub-Total:		2

Multiple Package Orders

Provide customers with contact information.

Story ID	Story Title	Story Points
S13	Assign Multiple Packages per Order	2
S1	View Individual Package Information	2
S17	Update Individual Package Information	4
Story Point Sub-Total:		8

Release 2

Delivery date: 20 October 2016

Total Story Points: 32

Release 2 will focus providing ways to view, edit and connect the information stored within the databases as well as extra miscellaneous functionality. These include delivery coordination, driver updates, Security and Customer records.

Delivery Coordination

This feature is to assign the delivery of multiple orders from the warehouse to a designated driver to maximise the efficiency of outgoing deliveries for a given delivery run. This reduces cost and time required for delivery.

Story ID	Story Title	Story Points
S4	Assign Order Deliveries	4
S25	Delivery Itinerary	4
Story Point Sub-Total:		8

Driver Updates

This feature is to give drivers an interface to update order information as they complete delivery milestones.

Story ID	Story Title	Story Points
S34	Order Milestone Updates	8
Story Point Sub-Total:		8

Customer Records

By recording and displaying customer information, various stakeholders can use this to facilitate further actions e.g. Confirming that a customer paid the correct amount of money.

Story ID	Story Title	Story Points
S12	Record Customer Payments	4
S2	View Payment Information	2
Story Point Sub-Total:		6

Notifications

When deliveries achieve certain milestones the customer will both receive notifications and be able to look online to learn of their delivery status.

Story ID	Story Title	Story Points
S26	Order Status Tracking	2
S9	Receive Email Notifications	8
Story Point Sub-Total:		10

Release 3

Delivery date: To Be Negotiated

Total Story Points: 14

Security

The system should have basic level of online security to prevent information theft, and malicious use of resources.

Story ID	Story Title	Story Points
S11	Human Verification	4
S5	Database Information Security	8
Story Point Sub-Total:		12

Customer Feedback

Customers can provide feedback on business processes to help the company address problem areas.

Story ID	Story Title	Story Points
S28	Customer Feedback	2
Story Point Sub-Total:		2

Release 4

Delivery date: To Be Negotiated

Total Story Points: 12

Loyalty Program

Coordinators should have the capabilities to offer customers special rates and priority upgrades to help maintain customer loyalty.

Story ID	Story Title	Story Points
S23	Special Offers	4
Story Point Sub-Total:		4

Technical Support

The system should have special features added to give technical administration persons greater control over various aspects of the project.

Story ID	Story Title	Story Points
S14	Technical Support	8
Story Point Sub-Total:		8

Delivery Schedule

Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Sprint 1 (25/08 to 08/09)		Sprint 2 (08/09 to 22/09)		Sprint 3 (22/09 to 06/10)		Sprint 4 (06/10 to 20/10)	
Release 1 - 22/09				Release 2 - 20/10			

Estimated Velocity: 20

Sprint Plan

Sprint 1

Total Story Points: 18

Total Estimated Hours: 72

Total Hours: 61

Sprint Velocity: 18

Account Management

Story 3: Assign Staff Access Privileges

Task ID	Task Description	Estimate	Taken
T1	Design web page UI to allow managers to create user accounts with staff roles.	4	3
T2	Write test cases (Roles and Permissions)	4	2
T3	Design and construct database table storing user information.	2	2
T4	Write code to update database with information entered in UI.	2	1
T5	Code client/server verification.	2	3
T6	Verify Story (Acceptance Tests)	2	2
Story Points: 4		Total Hours: 16	13

Story 32: Create User Account

Task ID	Task Description	Estimate	Taken
T7	Design registration form and web page for customer registrations	4	5
T8	Write test cases (User Class, Form Validation)	4	5
T9	Write client form and server verification code	4	3

T10	Write code to update user information tables to accept	2	2
T11	Update UI to notify user of account creation	2	1
T12	Verify Story (Acceptance Tests)	2	2
Story Points: 4		Total Hours: 18	18

Story 10: Edit Account Details

Task ID	Task Description	Estimate	Taken
T13	Create web UI to allow give account holders the ability to edit account details.	4	4
T14	Write test cases (User Class, Form Verification)	2	1
T15	Write code to modify database on form submission.	2	2
T16	Write Client and Server verification.	2	1
T17	Verify Story (Acceptance Tests)	2	2
Story Points: 4		Total Hours: 12	10

Story 15: Encrypt Passwords

Task ID	Task Description	Estimate	Taken
T18	Write code to encrypt user passwords	2	1
T19	Write code to verify encrypted versions of login passwords match encrypted user passwords	4	2
T20	Verify Story (Acceptance Tests)	2	2
Story Points: 2		Total Hours: 8	5

Customer Ordering

Story 7: Online Order Form

Task ID	Task Description	Estimate	Taken
T21	Create Order Page with a Form containing Order Information Fields	4	3
T22	Write test cases (Form Validation, Order Class)	4	3
T23	Design and Construct Order Information database Tables	2	2
T24	Write server/client verification code.	2	1
T25	Update database with form information	2	2
T26	Setup UI notification system for order received	2	2
T27	Verify Story (Acceptance Tests)	2	2
Story Points: 4		Total Hours: 18	15

Sprint 2

Total Story Points: 22

Total Estimated Hours: 77

Total Hours: 72.5

Sprint Velocity: 22

Story 18: Phone Order Form

Task ID	Task Description	Estimate	Taken
T28	Create a staff only version order page similar to the customer online order, except that a user different to the currently logged in user can be specified as the customer.	2	0.5
T29	Write test cases (Form Validation, Permissions, Order Class)	2	1
T30	Write code to update database with form information.	1	1
T31	Write server/client verification.	1	0.5
T32	Verify Story (Acceptance Tests)	2	2
Story Points: 2		Total Hours: 8	5

Order Overview

Story 16: View Order Information

Task ID	Task Description	Estimate	Taken
T1	Design web page UI to allow staff to current orders with filter input options for customer email (identifying customer specific orders), status, and time stamps	4	2
T2	Write code to query database according to filters of the UI and output the customer's orders to the page.	2	4

T3	Code client/server verification.	2	2
T4	Verify Story (Acceptance Tests)	2	1.5
Story Points: 2		Total Hours: 10	9.5

Story 6: Update Order Information

Task ID	Task Description	Estimate	Taken
T5	Design web page UI to allow coordinators+ to modify existing orders.	4	2
T6	Write test cases (Form Validation, Order Class)	2	1
T7	Write code to modify the order database on form submission.	2	6
T8	Code client/server verification.	2	2
T9	Verify Story (Acceptance Tests)	2	2
Story Points: 4		Total Hours: 12	13

Contact Information

Story 24: Contact Details

Task ID	Task Description	Estimate	Taken
T10	Design web page to detail contact details of the delivery service and support subdivisions	1	1
T11	Verify Story (Acceptance Tests)	1	1
Story Points: 2		Total Hours: 2	2

Multiple Package Orders

Story 13: Assign Multiple Packages per Order

Task ID	Task Description	Estimate	Taken
T12	Modify the order form to allow for packages to be added to the order	4	2
T13	Design and construct database table to store the details of individual packages linked to a specific order.	2	2
T14	Write code to update database with information entered in UI.	2	3
T15	Code client/server verification.	2	1
T16	Verify Story (Acceptance Tests)	2	1
Story Points: 2		Total Hours: 12	Total Hours: 9

Story 1: View Individual Package Information

Task ID	Task Description	Estimate	Taken
T17	Design web page UI to allow staff to view specific package information via a button linked to the view order page	4	4
T18	Write code to query database according the the orderID and output the order's individual package information.	4	5
T19	Code client/server verification.	2	1
T20	Verify Story (Acceptance Tests)	2	1
Story Points: 2		Total Hours: 12	11

Story 17: Update Individual Package Information

Task ID	Task Description	Estimate	Taken
T21	Design web page UI to allow staff to modify individual packages of a specific order	4	3
T22	Write test cases (Form Validation)	2	1
T23	Write code to modify the order database on form submission.	2	6
T24	Code client/server verification.	2	2
T25	Verify Story (Acceptance Tests)	2	1
Story Points: 4		Total Hours: 12	13

Account Management**Story 36: View Existing Accounts**

Task ID	Task Description	Estimate	Taken
T26	Design web page UI for search filters and outputting search results. Limit to specific roles (Manager+)	2	3
T27	Write test cases (Permissions, User Class)	1	1
T28	Write sql queries and code to output results from the search form to a table.	3	4
T29	Code client/server verification.	1	1
T30	Verify Story (Acceptance Tests)	2	1
Story Points: 4		Total Hours: 9	10

Sprint 3

Total Story Points: 16

Total Estimated Hours: 32

Total Hours: 38

Sprint Velocity: 14

Customer Records

Story 12: Record Customer Payments

Task ID	Task Description	Estimate	Taken
T1	Create page that drivers can add payment information.	2	3
T2	Write test cases	2	1
T3	Write code to update database with form information.	2	4
T4	Write server/client verification.	1	2
T5	Verify Story (Acceptance Tests)	1	4
Story Points: 4		Total Hours: 8	14

Story 2: View Payment Information

Task ID	Task Description	Estimate	Taken
T6	Create a webpage where staff can view payment information of customers.	2	4
T7	Write test cases	2	1
T8	Write code to update database with form information.	1	3
T9	Write server/client verification.	1	1
T10	Verify Story (Acceptance Tests)	2	2
Story Points: 2		Total Hours:	11

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Notifications

Story 9: Receive Email Notifications

Task ID	Task Description	Estimate	Taken
T11	Write code to send customers emails when important events have taken place.	4	5
T12	Write test cases (assuming this is practical)	2	N/A
T13	Verify Story (Acceptance Tests)	2	1
Story Points: 8		Total Hours: 8	6

Story 26: Order Status Tracking

Task ID	Task Description	Estimate	Taken
T14	Create page that shows customer general status of their order.	2	1
T15	Verify Permissions for Personal Order Viewing	1	1
T16	Write sql queries and code to output results of current orders to customer	2	2
T17	Code client/server verification.	1	1
T18	Verify Story (Acceptance Tests)	2	2
Story Points: 2		Total Hours: 8	7

Sprint 4

Total Story Points: 16

Total Estimated Hours: 38

Total Hours: 49

Sprint Velocity: 18

Delivery Coordination

Story 4: Assign Order Deliveries

Task ID	Task Description	Estimate	Taken
T1	Create page and form to output a drop down menu of drivers that can be assigned to an order	2	4
T2	Refactor userDB functions into user class for improved retrieval and updating	4	8
T3	Refactor orderDB functions into orders class for improved retrieval and updating	4	10
T4	Write Code and SQL Queries to update orders with an assigned driverID	4	3
T5	Verify Story (Acceptance Tests)	2	1
Story Points: 4		Total Hours: 16	26

Story 25: Delivery Itinerary

Task ID	Task Description	Estimate	Taken
T6	Create page that shows drivers their assigned orders and corresponding details	2	2
T7	Design and Construct Deliveries table to hold assigned order information	2	2

T8	Write SQL Queries to output orders according to assigned driverID	4	4
T9	Verify Story (Acceptance Tests)	2	1
Story Points: 4		Total Hours: 10	9

Driver Updates

Story 34: Order Milestone Updates

Task ID	Task Description	Estimate	Taken
T10	Create page that shows customer general status of their order.	2	2
T11	Design and Construct Milestones table to hold timestamps for milestone transitions	2	1
T12	Write code and SQL queries to update status of order to the orders database	2	4
T13	Write SQL queries to insert milestone timestamps into the database on the updating of statuses	2	2
T14	Add code to link notifications to status updates	1	2
T15	Add modifications to search query to hide Delivered Status by default	1	2
T16	Verify Story (Acceptance Tests)	2	1
Story Points: 8		Total Hours: 12	14