



THIERRY'S MINIONS/TEAM25  
DELIVERABLE 4

CSCC01 FALL 2018

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**Sprint 4 Backlog**

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# 1 Sprint Tasks

## 1.1 Task 3A: Create formatting functions

- Story Points: 2
- Build formatting functions on the client that turn the data into consistent formats
- Phone numbers should all be made into format: XXX-XXX-XXXX
- Postal code should all be made into format: XXXXXX
- Dates should all be made into format: YYYY-MM-DD
- Should throw an error if the data cannot be formatted.

## 1.2 Task 3B: Format data

- Story Points: 3
- This task has a dependency on task 3A
- When parsing data should pass strings into formatting functions created in 3A
- If formatter throws an error then should add column name into an array called invalidcolumns, and set valid to false.

## 1.3 Task 5A: Create UI for Generate Simple Reports Screen

- Story Points: 3
- Create a screen with 2 buttons.
- One button for each report type.
- Connect screen to project via navigation bar.

## 1.4 Task 5B: Create Controllers to send request to the server.

- Story Points: 3
- Create a controller that makes a request to the server for data.
- This data will be used to generate the report.

**1.5 Task 5C: Create Controllers to send request to the server.**

- Story Points: 5
- Create a POST endpoint on the server to query the database and collect the data that will be sent back to client.
- Body of the request will contain columns that client wants information on.
- Endpoint of the request will be /reports/get-data/.

**1.6 Task 5D: Generate Empty Report.**

- Story Points: 5
- Generate a empty report.
- Probably use Alpacache PDF Library.
- The report should be generated in the format of a PDF.
- The report should contain a header and a configurable title.

**1.7 Task 5E: Generate Pie Chart for Report.**

- Story Points: 5
- This task has a dependency on task 5D
- Generate a PIE Chart from data recieved from server.
- Add the Chart to the PDF.

**1.8 Task 5F: Generate Pie Chart for Report.**

- Story Points: 2
- This task has a dependency on task 5D
- Generate a Bar Chart from data recieved from server.
- Add the Chart to the PDF.

**1.9 Task 5G: Generate Mock Data to Test Reporting.**

- Story Points: 1

- Fill in templates with mock data so we have a sizable quantity of data to display in the reports.

### **1.10 Task 5H: Integrate and test feature.**

- Story Points: 3
- This task has a dependency on all previous tasks.
- Ensure the integration between the server and client is working.
- Test the entire feature and ensure it passes the conditions of acceptance.

## 2 Sprint Plan

**Sprint 4 : November 3rd - November 9th (Saturday - Friday)**

Story	Task	Dependency	Story Points	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
3	A		2		BB:2					
3	B	A	3					ES:3		
5	A		3			BB:2	BB:1			
5	B		3						RS:3	
5	C		5		JA:2	JA:3				
5	D		5				ES:5			
5	E	D	5					JS:5		
5	F	D	2						JS:2	
5	G		1						ES:1	
5	H	ALL	3							JA:3

- Estimated story points team can complete: 32
- Balaji will complete task 3A by end of day 2.
- Edgar will complete task 3B, and release feature by end of day 5.
- Balaji will complete task 5A by end of day 4.
- Rishabh will complete task 5B by end of day 6.
- Jayden will complete task 5C by end of day 3.
- Edgar will complete task 5D by end of day 4.
- Joey will complete task 5E by end of day 5.
- Joey will complete task 5F by end of day 6.
- Edgar will complete task 5G by end of day 6.
- Jayden will complete task 5H, and release feature by end of day 7.
- The team believes they can complete User Story 3 by end of day 6, & User Story 5 by end of the day 7.

### 3 Sprint Report

**Sprint 4 : November 3rd - November 9th (Saturday - Friday)**

Story	Task	Dependency	Story Points	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
3	A		2			BB:2				
3	B	A	3					ES:3		
5	A		3						BB:3	
5	B		3						RS:5	
5	C	A	5		JA:2	JA:4				
5	D		5				ES:3			
5	E	D	5							
5	F	D	2							
5	G		1							
5	H	ALL	3							

- Actual story points burned: 21
- Balaji completed task 5A on day 6 instead of 3.
- Task 5C took Jayden an hour longer then expected.
- Joey didn't complete task 5E & 5F, They will be carried over to next sprint.
- Edgar didn't complete task 5G. It will be carried over until next sprint.
- Story 5 - Report Generation will be carried over to next sprint.
- The team completed User Story 3 on day 6 of the sprint.



## 4 Sprint Burndown Chart

