Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Proposal		Done			
BRD		Done	Matthew	40	42
Tech Spec		Done	Jessie	20	22
HL Design		Done	Viet	20	20
Site Map		Done	Pammy	10	11
Project Plan		Done	Jessie	20	21
Test Plan		Done	Pammy	10	14
Network Diagram		Done	Matthew	10	9
Project Plan Core Components		Done	Matthew	10	1
BRD Revisions (Success conditions and refining error messages)		Done	Matthew	4	4
BRD Revisions (Refining error results, NFRs)		Done	Matthew	4	4
HL Infrastructure Revisions		Done	Viet	3	4
HL Specify Components		Done	Jessie	2	3
Tech Spec Revisions		Done	Jessie	2	3
Site Map Revisions		Done	Pammy	2	1
Test Plan Revisions		Done	Pammy	5	4
UM Sequence Diagrams(Rough Draft for Create, Rough Draft for Update and Delete (only Success)		Done	Viet	14	12
Setting Up Visual Studio Environment		Done	Jessie	5	5
BRD Core Components		Done	Pammy	10	3
O/RM DAR		Done	Jessie	15	15
Unit Testing DAR		Done	Pammy	3	12
UM Sequence Diagrams (Revise Create, Revise Update and Delete Success, Update and Delete Error, Disable and Enable, Logging and Archiving)		Done	Viet	12	33
UM Coding		Done	Pammy	30	28
Archiving Coding		Done	Matthew	15	4

Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Network Diagram Revisions		Postponed	Matthew Chen	6	
Winter Work Items					
Project Plan Revisions	6	Done	Jessie	5	11
Cloud DAR benchmarks	2	Done	Viet	12	13
Cloud DAR setup	1	Done	Viet	12	13
Cloud DAR First Draft	3	Done	Viet	2	1
Cloud Data Store DAR First Draft	4	Done	Viet	2	2
Frontend DAR	5		Pammy	6	6
Sequence Diagram Revisions (DA, Logging, Archiving)	7	Done	Matthew	9	12
Sequence Diagram Revisions (Authorization, Authentication, UM,	8		Matthew	27	
Code Revisions (DAL, Logging, Archiving)	9		Jessie	10	15
Code Revisions (UM)	10				
Sequence Diagrams for Spring	11				
BRD Core Component Revisions	12	Done	Viet	1	1
Spring Work Items					
Code Review (4/25/22)			Matthew		
Code Review (4/27/22)			Pammy		
Code Review (5/2/22)			Viet		
Code Review (5/4/22)			Jessie		

Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Database Setup	1	Partially Done	Ian Ho-Sing-Loy	53	
Datastore Access	2	In Progress	Ian Ho-Sing-Loy	58	
PBKDF2 Frontend DAR	3		Matthew	8	8
AJAX DAR	4		Pammy		
Authentication - Sequence Diagrams for incorporating Cookies/Token, Test Writeup, Backend	5	Done	Matthew	30	30
Authentication - Test Writeup, Backend	6	Done	Matthew	7.5	14
Authentication - Backend Testing, Front End, Frontend Testing, Documentaiton	7	Partially Done	Matthew	30	28
Request OTP - Everything	8	Partially Done	Matthew	20	
Logout- Design, Backend, Frontend, Test, Document	9		Jessie	40	
Authorization-Design, Backend, Frontend, Testing, Documentation	10	Partially Done	Matthew	40	12
Registration - Design, Test Writeup, Backend, backend testing	11	Partially Done	Pammy	35	35
Usage Analysis Dashboard - Design, Test Writeup, Backend, Backend Testing	12	Partially Done	Jessie	35	35
Usage Analysis Dashboard - Backend, Backend Testing	13	Partially Done	Jessie	17	17
Usage Analysis Dashboard - Frontend, Frontend Testing, Documentation	14	In Progress	Jessie	13	13
Account Deletion - Design	15	Partially Done	Viet	33	37
Account Deletion - Backend, Backend testing, Frontend, Frontend Testing, Documentation, Test Writeup	16	In progress	Viet	22	30
Registration - frontend, frontend testing, documentation	17	In Progress	Pammy	15	15
Recovery - Design, backend	18	In Progress	Ryan	30	32

Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Create Node - Design	19		Jessie	20	20
Create Node - Test Writeup, Backend, Backend Testing, Frontend, Frontend Testing, Documentation	20		Jessie	33	
Delete Node - Design, Test Writeup, Backend, Backend Testing	21		Jessie	37	
Delete Node - Frontend Testing and Documentation	22		Jessie	6	
Changing Parent of Node - Design, Test Writeup	23		Jessie	30	
Changing Parent of Node - Implementation, Testing, Documentation	24		Jessie	38	
Search - Sequence Diagrams, Test Writeup	25		Matthew	35	
Search - Backend, Backend Testing, Frontend, Frontend Testing	26		Matthew	37	
Search - Documentation	27		Matthew	3	
Filter - Sequence Diagrams, Test Writeup, Backend	28		Matthew	35	
Filter - Backend Testing, Frontend, Frontend Testing, Documentation	29		Matthew	23	
Setting nodes public/private - Design, Backend, Backend Testing, Frontend	30		Viet	35	40
UM - Backend, Backend Testing, Frontend, Frontend Testing	31		Viet	15	
Copy Node - Design	32		Viet	25	
Copy Node - Test Writeup, Backend implementation, backend testing, frontend implementation, frontend testing	33		Viet	43	

Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Pasting - Design, Test Writeup, Backend implementation, Backend Testing	34		Viet	35	
Pasting - Frontend, Frontend Testing, Documentation	35		Viet	23	
Changing contents - Design	36		Viet	15	
Changing contents - Test writeup, backend, backend testing, frontend, frontend testing, Documentation	37		Viet	33	
Progress Tracker - Design, Test Writeup	38		Ryan	40	
Progress Tracker - Backend, Backend Testing	39		Ryan	45	
Progress Tracker - Frontend, Frontend Testing	40		Ryan	50	
Progress Tracker - Documentation	41		Ryan	5	
Tagging - Sequence Diagram	42		Pammy	10	
Rating - sequence diagram	43		Pammy	10	
Tagging - coding (backend and frontend), Test case	44		Pammy	35	
Tagging- Test Implementaion and documenation	45		Pammy	8	
Rating - coding (backend and front end), test case	46		Pammy	25	
Rating - test implementation and documentation	47		Pammy	5	
Tree History- Design	48		Ian	40	
Tree History- Backend and Backend Testing	49		Ian	30	
Tree History- Frontend and Frontend Testing	50		Ian	30	
Tree History-Documentation	51		Ian	10	
Final Deployment Setup	52			25	
Final Deployment Setup	53			25	
Authentication - Milestone 3 Revisions		Done	Matthew	9	10

Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Authorization - Milestone 3 Revisions		Done	Matthew	6	9
User Management - Milestone 3 Revisions		Done	Matthew	6	13
Cloud DAR Revisions - Hosting and Datastore/Database DAR		Done	Viet	4	8
Cloud Setup - Implementation (Frontend and backend), testing		Done	Viet	38	5
Front End DAR - Revisions		Done	Pammy	3	3
Features					
Tree	Jessie				
Search/Filter	Matthew				
Private/Public	Viet				
Rating	Pammy				
One-to-One Chat/Report	Ian				
Core Components					
Data Access	Ian				
Authentication	Matt				
Authorization	Matt				
Logout	Jessie				
Registration (Account Creation)	Pammy				

Work Items	Priority	Status	Assignee	Work Estimate	New Estimate
Account Recovery	Ryan				
Account Deletion	Viet				
User Management	Viet		Not Demoable		
Usage Analysis Dashboard	Jessie				
Logging	Jessie		Not Demoable		
Archiving	Viet		Not Demoable		

Team Capacity

	Weekly	Sprint 5 (10/31/2021 - 11/6/2021)	Sprint 6	Sprint 7
Maximum Capacity				
Medium Capacity				
Minimum Capacity				
Average Expected Capacity				

Sprint 5

10/31/21-11/3/21	Jessie (J)	Matthew (M)	Pammy(P)	Viet (V)	
Expected Individual Capacity	6	4	6	4	Total: 20
Work Items	Tech Spec Revisions	BRD Revisions		HL Revisions	
Expected Work Capacity	2	1		4	Total: 10
New Expected Work Capacity					Total: 8
Decisions					

Sprint 6

11/5/21-11/10/21	Jessie (J)	Matthew (M)	Pammy(P)	Viet (V)	Total
Expected Individual Capacity	8	8	8	8	32
Work Items	HTML DAR	Cloud Provider DAR (Initial Draft)	NUnit DAR	React DAR	
	Tech Spec Revisions	BRD Revisions (Success conditions and refining error messages)	Site Map Revisions	HL Revisions	
	LL Research	LL Research	LL Research	LL Research	
Expected Work Capacity	8	8	8	8	32
New Expected Work Capacity	8	17	12	10	47
Decisions	After a breakdown, we found that some work items would take more work than we had initially predicted, so we divided some tasks for some work items up amongst people and split up the tasks for some work items to be done in this sprint and a future sprint.				
Final Expected Work Capacity	8	8	8	8	32

Sprint 7

11/12/21-11/19/21	Jessie (J)	Matthew (M)	Pammy(P)	Viet (V)	
Expected Individual Capacity	9	11	9	9	38
Work Items	Frontend DAR	BRD Revisions (Refining error results, NFRs)	Site Map Revisions (1)	HL Infrastructure Revisions	
	Reviewing HL	Cloud DAR (Revising)	UM (Sequence Diagram)	Core Components	
		Project Plan Revisions	Test Plan Revisions	Logging (Sequence Diagram)	
			Logging	HL Specify Components Revisions	
			UM		
Expected Work Capacity	8	23.7	10	22	
New Expected Work Capacity	8.5	10	45	9	37.5
Decisions					
Final Expected Work Capacity	8.5	10	9	9	37.5

Sprint 8

11/20/21-11/28/21	Jessie (J)	Matthew (M)	Pammy(P)	Viet (V)	
Expected Individual Capacity	12	16	15	20	63
Work Items	Revise HL (Specify Components)	Project Plan Revisions	NUnit DAR	Sequence Diagram (Create, update, delete accounts)	
	Setup Environment	Network Diagram Revisions	Test Plan Revisions	Sequence Diagram Revisions	
			UM (Sequence Diagram Revisions, Class Diagrams)		
Expected Work Capacity	8	16	8	16	
New Expected Work Capacity	8	16.7	7	20	52.45
Decisions					
Final Expected Work Capacity	8	16.7	7	20	52.45

Sprint 9

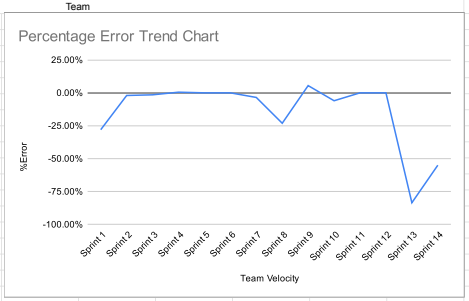
11/30/21-12/15/21	Jessie (J)	Matthew (M)	Pammy(P)	Viet (V)	
Expected Individual Capacity	24	24	28	24	
Work Items	O/RM DAR	Logging Coding	UM Coding	Sequence Diagrams (Revise Create, Revise Update and Delete Success, Update and Delete Error, Disable and Enable, Logging, Archiving)	
		Archiving Coding	NUnit DAR		
Expected Work Capacity	27	33	31	12	
New Expected Work Capacity	19	18	38	48	123
Decisions					
Final Expected Work Capacity	29	46	28	20	124

Sprint 10

1/5/22-1/11/22	Jessie (J)	Old	New	Matthew (M)	Old	New	Pammy(P)	Old	New	Viet (V)	Old	New	
Expected Individual Capacity	10			12			6			12			
Work Items	Project Plan Revisions	5	11	Sequence Diagrams (DA, Logging, Archiving)	9	12	Front-End DAR			BRD Revisions	10	12	
										Cloud DAR setup		1	
Expected Work Capacity	5			9			6			12			
New Expected Work Capacity	11			12			6			14			

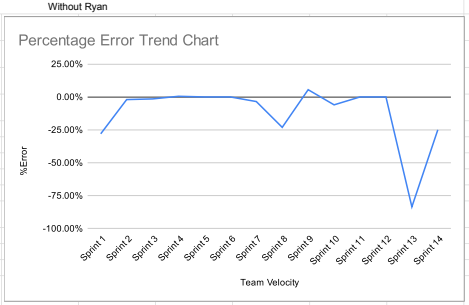
Team

Team Velocity	Actual	Expected	%Error
Sprint 1	38	66	-28.00%
Sprint 2	37	39	-2.00%
Sprint 3	17.5	19	-1.50%
Sprint 4	27.5	27	0.50%
Sprint 5	8	8	0.00%
Sprint 6	32	32	0.00%
Sprint 7	34	37.5	-3.50%
Sprint 8	28.6	51.7	-23.10%
Sprint 9	128.5	123	5.50%
Sprint 10	34	40	-6.00%
Sprint 11	60	60	0.00%
Sprint 12	74	74	0.00%
Sprint 13	146.5	230	-83.50%
Sprint 14	195	250	-55.00%



Without Ryan

Team Velocity	Actual	Expected	%Error
Sprint 1	38	66	-28.00%
Sprint 2	37	39	-2.00%
Sprint 3	17.5	19	-1.50%
Sprint 4	27.5	27	0.50%
Sprint 5	8	8	0.00%
Sprint 6	32	32	0.00%
Sprint 7	34	37.5	-3.50%
Sprint 8	28.6	51.7	-23.10%
Sprint 9	128.5	123	5.50%
Sprint 10	34	40	-6.00%
Sprint 11	60	60	0.00%
Sprint 12	74	74	0.00%
Sprint 13	146.5	230	-83.50%
Sprint 14	195	220	-25.00%



Decisions												We decided to start off with low capacities this sprint in order to ease back into the Scrum process. We will be ramping up our capacities up until the next semester starts so we can hit the ground running.	
Final Expected Work Capacity	11			12			6			14			54

Sprint 11												
1/12/22-1/19/22	Jessie (J)	Old	New	Matthew (M)	Old	New	Pammy(P)	Old	New	Viet (V)	Old	New
Expected Individual Capacity	15			24			10			20		
Work Items	Code Revisions (DAL, Logging, Archiving)	10	15	Sequence Diagram Revisions (Authorization, Authentication, UM, Bulk, Create, Update, Delete, Disable, Enable)	27	24	DAR metric revision	3	3	Cloud DAR First Draft	2	2
							DAR metric description	1	1	Cloud DAR Benchmarks	14	12
							DAR front end recommendation	1	1	Cloud Data Store DAR First Draft	2	2
Expected Work Capacity				27			12			14		
New Expected Work Capacity				24						14		
Decisions												
Final Expected Work Capacity				24						14		

Sprint 12												
1/24/22-2/02/22	Jessie (J)	Old	New	Matthew (M)	Old	New	Pammy(P)	Old	New	Viet (V)	Old	New
Expected Individual Capacity	25			22			20			20		
Work Items	Datastore Access	4	4	User Access Control	14	13	Registration	10	10	Cloud Setup	6	6
	Code Revision (Implementation and Testing for Archiving and Logging)	5	5	User Management	9	6				Database Setup	2	2
	Usage Analysis Dashboard	23	16							Cloud Data Store DAR	2	4
	Add New Syllabus Information to Project Plan	1	1							Cloud Hosting DAR	2	6
Expected Work Capacity	33			23			10			20		
New Expected Work Capacity	32			16			10			18		
Decisions												
Final Expected Work Capacity	26			20			10			18		
Preferred Work Items	Database Setup (P #2)	2		User Access Control	14		Registration	10	10	Cloud Setup(Priority #1)	6	4
	Database Access (P# 3)	2		User Management	19					Database Setup(Priority #2)	2	2
										Copying Node		
										Pasting Node		

Sprint 13																		
2/7/22-2/19/22	Jessie (J)	Old	New	Matthew (M)	Old	New	Pammy(P)	Old	New	Viet (V)	Old	New	Ian (I)	Old	New	Ryan (R)	Old	New
Expected Individual Capacity				35			40			40								
Work Items	Usage Analysis Dashboard - Design, Test Writeup, Backend, Backend Testing	35	35	Authentication - Sequence Diagrams for incorporating Cookies/Token, Test Writeup, Backend	30	30	Registration - Design, Test Writeup, Backend, backend testing	35	33	Cloud Data Store DAR Revisions	2	2	Database Setup - Design	25	25	Logout- Design, Implementation, Testing, Documentation, Testing Writeup	40	40
							Front End DAR - Revisions	3	3	Cloud Hosting DAR Revisions	2	2	Database Setup - Implementation	10	10			
										Account Deletion	33	33	Database Setup - Testing	10	10			
													Database Setup - Documentation	3	3			
Old Expected Work Capacity	35			30			38			37			Database Setup - Test Case Write-up	5	5			40
New Expected Work Capacity	35			30			36			37								40
Decisions				I added a lot more time to research and design for Authentication as I felt that I needed to get a better understanding of what needs to go into it and that in doing so, the amount of time needed to do the actual coding would become less.			Focused more oen sequence diagrams and undesrtanding the concepts for email delivery service											
Final Expected Work Capacity	35			30			36			37								40

Sprint 14																		
2/21/22-3/5/22	Jessie (J)	Old	New	Matthew (M)	Old	New	Pammy(P)	Old	New	Viet (V)	Old	New	Ian (I)	Old	New	Ryan (R)	Old	New
Expected Individual Capacity	35			35			45			40			50					
Work Items	Usage Analysis Dashboard - Backend, Backend Testing	17	17	Authentication - Backend Testing, Front End, Frontend Testing, Documentaiton	30	15	Registration - backend, backend testing, frontend, frontend testing, documentation	28	28	Account Deletion - Backend, Backend testing, Frontend, Frontend Testing, Documentation, Test Writeup	22	22	Datastore Access - Design	30	30	Account Recovery	30	30

	Usage Analysis Dashboard - Frontend, Frontend Testing, Documentation	13	13	Authentication - Test Writeup, Backend	7.5	7	AJAX DAR	3	3				Datastore Access - Implementation	10	10		30	30							
	Logout- Design, Backend,Frontend, Test, Document	40	20	PBKDF2 Frontend DAR	8	8							Datastore Access - Testing	15	15										
				Authorization-Design, Backend, Frontend, Testing, Documentation	40	7							Datastore Access - Documentation	3	3										
				Request OTP - Everything	20	15							Database Setup - Implementation	5	5										
Old Expected Work Capacity	70			105.5			31			22			63			30									
New Expected Work Capacity	50			52			60			22						30									
Decisions				I made the decision to increase the amount of time for the backend code as I feel like I will need some more time to implement the JwtToken and encryption. I also increased the time for the test writeup in response to this. In contrast, I estimated the time for the frontend code to be lower as it should not take as long as I previously estimated.									There was no need for a test case writeup for database setup. I only needed to check whether the tables were made and work. For the database setup implementation, I have not been able to communicate with Ryan with his feature. Depending on what happens with him and his feature, this part of the implementation will take longer than expected.						We decided to take Jessie off of Create Node and instead have him also do Logout for this sprint. We also decided to take Viet off of private/public and have him do part of the Data Access instead for this sprint. I also took in Authorization in addition to my already assigned Authentication. We also swapped Pammy off of Account Recovery and gave it to Ryan instead. Pammy will be helping the other members with front end as that is her specialty. All of these decisions were made in regards to the addition of new members, as well as the lack of participation by one member (Ryan).						
Final Expected Work Capacity	50			52			38			41						30									

Sprint 6									
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		
Task Breakdown	TS - Specfiy Environments	1	Success Conditions	0.5	Research NUnit	3	Research into javascript REACT frameworks	2	
	TS - Research SQL Alternative	1	Refine Error Messages	0.5	Research XUnit	3	HL Infrastructure revisions	2	
	TS - Research Windows 10 Alternative	1	Refine Error Results	1	Research MSTeams	2	HL Specify components revisions	2	
	Research Technologies for LL	3	Usability NFR	0.5	Revise Format of Site Map	1	User Management research	2	
	Create DAR for HTML	2	Maintainability NFR	2	Research Technologies for LL	3	Logging research	2	
			Security NFR	1					
			Scalability NFR	0.5					
			Research Azure	5					
			Research AWS	5					
			Research Technologies for LL	3					
			Create DAR for Azure and AWS	1					
Total:		8		17		12		10	
Assigned Tasks	TS - Specfiy Environments	1	Research Azure	3	Research NUnit	3	~~Research AWS firewall~~	2	
	TS - Research SQL Alternative	1	Research AWS	3	Research XUnit	3	~~Research Azure firewall~~	2	
	TS - Research Windows 10 Alternative	1	Create DAR for Azure and AWS	1	Research MSTest	2	~~HL Infrastructure revisions~~	2	
	Research Technologies for LL	3	Success Conditions	0.5			~~Research into javascript REACT frameworks~~	2	
	Create DAR for HTML	2	Refine Error Messages	0.5					
Total:		8		8		8		8	
Leftover Tasks			Refine Error Results	1	Revise Format of Site Map	1	User Management research	2	
			Usability NFR	0.5	Research Technologies for LL	3	Logging research	2	
			Maintainability NFR	2			HL Specify components revisions	2	
			Security NFR	1					
			Scalability NFR	0.5					
			Research Technologies for LL	3					
Total:				8		4		4	

Sprint 7									
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		
Task Breakdown	Research HTML & CSS	0.5	Refine Error Results	1	Revise Format of Site Map	1	BRD Core components(2)	4	
	Research Angular	1	Usability NFR	0.5	UM: Identify Main Responsibilities	2	Site Map Core components(3)	2	
	Research React	1	Maintainability NFR	1	UM: Identify Process	2	Project plan/roadmap Core component(1)	2	
	Research React.js	0.5	Security NFR	1	Revise Test Plan Test Data	2	Test plan core components(4) COPY OVER	3	
	Research Vue.js	0.5	Scalability NFR	0.5	Revise Test Plan Pass/Failure Case	2	Logging: Identify Main Responsibilities	2	
	Draft DAR Report	1	Revise Cloud DAR	3	UM: Coding	16	Logging: Identify Process	2	
	Review High Level For System	2	Risk Mitigation Planning	3			Logging: Coding	16	
	Identify Key Factors for Tech	2	Total estimate with units for project	0.5	Logging: Identify Main Responsibilities	2			
			Identify human resources and associated costs	0.5	Logging: Identify Process	2			
			Specify stand-alone work item for deploying solutions to production environment within Sprints	0.1	Logging: Coding	16			

			Get better estimate for effort needed to setup the production environment	0.5								
			Explicitly idenfity date that production deployment will take place	0.1								
			Align specific test cases to planned Sprints	0.5								
			Have a Gantt chart showing resources as rows with plan work as columns to view critical paths and resource utilization	2								
			Clearer format in general	2								
			Focus on inftrastructure of network traffic of application (things in our controll)	1								
			Show system level details (CPU, RAM, etc. when applicable)	3								
			Specify component names	0.5								
			Label input and outputs	0.5								
			Remove things that will be for the future	0.5								
			IP's (put list as separate doc and reference)	2								
Total:		8.5		23.7		45		31				
Assigned Tasks	Research HTML & CSS	0.5	Refine Error Results	1	Revise Format of Site Map	1	BRD Core components	2				
	Research Angular	1	Usability NFR	0.5	Core components to Site Map	2	HL Specify components revisions	2				
	Research React	1	Maintainability NFR	1	UM Sequence Diagram	4	Logging Sequence Diagram	5				
	Research React.js	0.5	Security NFR	1	Test plan core components(4) COPY OVER	3						
	Research Vue.js	0.5	Scalability NFR	0.5								
	Draft DAR Report	1	Revise Cloud DAR	4								
	Review High Level For System	2	Project plan/roadmap Core component	2								
	Identify Key Factors for Tech	2										
Total:		8.5		10		10		9				
Leftover Tasks	Identify Key Factors for Tech	1.5	Risk Mitigation Planning	3	UM Diagram Revisions	1	Logging: Coding	16				
	Review High Level for System	0.5	Total estimate with units for project	0.5	UM Class Diagram	1	HL Specify components revisions	2				
			Identify human resources and associated costs	0.5	Unit Testing DAR	1						
			Specify stand-alone work item for deploying solutions to production environment within Sprints	0.1	Revise Test Plan Test Data	2						
			Get better estimate for effort needed to setup the production environment	0.5	Revise Test Plan Pass/Failure Case	2						
			Explicitly idenfity date that production deployment will take place	0.1								
			Align specific test cases to planned Sprints	0.5								
			Have a Gantt chart showing resources as rows with plan work as columns to view critical paths and resource utilization	2								
			Clearer format in general	2								

			Focus on inftrastructure of network traffic of application (things in our controll)	1									
			Show system level details (CPU, RAM, etc. when applicable)	3									
			Specify component names	0.5									
			Label input and outputs	0.5									
			Remove things that will be for the future	0.5									
			IP's (put list as separate doc and reference)	2									
Total:				16.7									
Sprint 8													
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)						
Task Breakdown	HL Design - Specify Components	3	Risk Mitigation Planning	3	UM Diagram Revisions	2	Sequence Diagram: Creating account success	3					
	Setup VS Environment	2	Total estimate with units for project	0.5	NUnit DAR	1	Sequence Diagram: Updating account success	3					
	Setup Database	2	Identify human resources and associated costs	0.5	Revise Test Plan Test Data	2	Sequence Diagram: Deleting account success	2					
	Connect Database	1	Specify stand-alone work item for deploying solutions to production environment within Sprints	0.1	Revise Test Plan Pass/Failure Case	2	Sequence Diagram Disable account sucess	1					
			Get better estimate for effort needed to setup the production environment	0.5			Sequence Diagram Enable account sucess	1					
			Explicitly idenfity date that production deployment will take place	0.1			Sequence Diagram: Creating account fail case	3					
			Align specific test cases to planned Sprints	0.5			Sequence Diagram: Updating account fail case	2					
			Have a Gantt chart showing resources as rows with plan work as columns to view critical paths and resource utilization	2			Sequence Diagram: Deleting account fail case	1					
			Clearer format in general	2			Sequence Diagram Disable account fail case	1					
			Focus on inftrastructure of network traffic of application (things in our controll)	1			Sequence Diagram Enable account fail case	1					
			Show system level details (CPU, RAM, etc. when applicable)	3									
			Specify component names	0.5									
			Label input and outputs	0.5									
			Remove things that will be for the future	0.5									
			IP's (put list as separate doc and reference)	2									
Total:		8		16.7		7		18					
Assigned Tasks	HL Design - Specify Components	3	Risk Mitigation Planning	3	UM Document	4	Sequence Diagram: Creating account success	3					
	Setup VS Environment	2	Total estimate with units for project	0.5	Revise Test Plan Pass/Failure Case	2	Sequence Diagram: Updating account success	3					
	Setup Database	2	Identify human resources and associated costs	0.5			Sequence Diagram: Deleting account success	2					

	Connect Database	1	Specify stand-alone work item for deploying solutions to production environment within Sprints	0.1			Sequence Diagram Disable account sucess	1				
			Get better estimate for effort needed to setup the production environment	0.5			Sequence Diagram Enable account sucess	1				
			Explicitly idenfity date that production deployment will take place	0.1			Sequence Diagram: Creating account fail case	3				
			Align specific test cases to planned Sprints	0.5			Sequence Diagram: Updating account fail case	2				
			Have a Gantt chart showing resources as rows with plan work as columns to view critical paths and resource utilization	2			Sequence Diagram: Deleting account fail case	1				
			Clearer format in general	2			Sequence Diagram Disable account fail case	1				
			Focus on inftrastructure of network traffic of application (things in our controll)	1			Sequence Diagram Enable account fail case	1				
			Show system level details (CPU, RAM, etc. when applicable)	3								
			Specify component names	0.5								
			Label input and outputs	0.5								
			Remove things that will be for the future	0.5								
			IP's (put list as separate doc and reference)	2								
Total:		8		16.7		8		18				
Leftover Tasks							Sequence Diagram Disable account sucess	1				
							Sequence Diagram Enable account sucess	1				
							Sequence Diagram Disable account fail case	1				
							Sequence Diagram Enable account fail case	1				
Total:												
Sprint 9												
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)					
Task Breakdown	~~Draft DAR Deliverable~~	1	~~Logging Code~~	4	~~Research Nunit testing Unit Testing~~	1	~~Sequence Diagram Create Account Revision~~	3				
	~~Find Suitable ORMs for Comparison~~	2	~~Logging Unit Test Write Up~~	1	~~Research XUnit Testing Unit Testing~~	1	~~Sequence Diagram Update Account Revision~~	2				
	~~Create Tests for Dapper~~	3	~~Archiving Code~~	4	~~Research MSTest Unit Testing~~	1	~~Sequence Diagram Delete Account Revision~~	2				
	~~Create Tests for EFCore~~	3	~~Archiving Unit Test Write Up~~	1	~~Create Unit Test Write Up~~	1	~~Sequence Diagram Enable Account~~	2				
	~~Create Tests for nHibernate~~	3	~~Code for UM View~~	4	~~Delete Unit Test Write Up~~	1	~~Sequence Diagram Disable Account~~	2				
	~~Create Compairson Matrix~~	3	~~Database Setup~~	4	~~Update Unit Test Write Up~~	1	~~Sequence Diagram Create Account Error Case Revision~~	2				

	~~Revise DAR ORM~~	2			~~Enable Unit Test Write Up~~	1	~~Sequence Diagram Update Account Error Case~~	2				
	~~BRD Core Components~~	2			~~Disable Unit Test Write Up~~	1	~~Sequence Diagram Delete Account Error Case~~	2				
					~~Authentication Unit Test Write Up~~	1	~~Sequence Diagram Enable Account Error Case~~	2				
					~~Authorization Unit Test Write Up~~	1	~~Sequence Diagram Disable Account Error Case~~	2				
					~~Code for Create~~	4	~~Sequence Diagram Logging~~	3				
					~~Code for Delete~~	4	~~Sequence Diagram Archiving~~	3				
					~~Code for Update~~	4	~~Sequence Diagram for Authentication~~	4				
					~~Code for Enable~~	4	~~Sequence Diagram for Authorization~~	2				
					~~Code for Disable~~	4	~~Sequence Diagram for Error Authentication Case~~	2				
					~~Code for Authentication~~	4	~~Sequence Diagram for Error Authorization~~	2				
					~~Code for Authorization~~	4	~~Sequence Diagram for Error Logging~~	2				
							~~Sequence Diagram for Error Archiving~~	2				
							~~Sequence Diagram UM View~~	5				
							~~Sequence Diagram UM View Error Cases~~	2				
Total:		19		18		38		48				
Assigned Tasks	Draft DAR Deliverable	1	Logging Code	4	Research Nunit testing Unit Testing	1	Sequence Diagram Create Account Error Case Revision	2				
	Find Suitable ORMs for Comparison	2	Logging Unit Test Write Up	1	Research XUnit Testing Unit Testing	1	Sequence Diagram Update Account Error Case	2				
	Create Tests for Dapper	3	Archiving Code	4	Research MSTest Unit Testing	1	Sequence Diagram Delete Account Error Case	2				
	Create Tests for EFCore	3	Archiving Unit Test Write Up	1	Code for Enable	4	Sequence Diagram Enable Account Error Case	2				
	Create Tests for nHibernate	3	Sequence Diagram UM View	5	Code for Authentication	4	Sequence Diagram Disable Account Error Case	2				
	Create Compairson Matrix	3	Sequence Diagram Enable Account	2	Code for Authorization	4	Sequence Diagram for Error Authentication Case	2				
	Revise ORM DAR	2	Sequence Diagram Disable Account	2	BRD Core Components	2	Sequence Diagram for Error Authorization	2				
	Code for Create	4	Sequence Diagram Logging	3	Code for Disable	4	Sequence Diagram for Error Logging	2				
	Code for Delete	4	Sequence Diagram Archiving	3	Create Unit Test Write Up	1	Sequence Diagram for Error Archiving	2				
	Code for Update	4	Sequence Diagram for Authentication	4	Delete Unit Test Write Up	1	Sequence Diagram UM View Error Cases	2				
			Sequence Diagram for Authorization	2	Update Unit Test Write Up	1						
			Sequence Diagram Create Account Revision	3	Enable Unit Test Write Up	1						
			Sequence Diagram Update Account Revision	2	Disable Unit Test Write Up	1						
			Sequence Diagram Delete Account Revision	2	Authentication Unit Test Write Up	1						
			Code for UM View	4	Authorization Unit Test Write Up	1						
			Database Setup	4								

Total:		29		46		28		20	
Leftover Tasks									
Total:									
Sprint 10									
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		
Task Breakdown	Update Core Component Estimates	1	~~DA Diagram Revision~~	4	Research React	1	Cloud DAR metrics email	1	
	Update Application Specific Components	1	~~Logging Diagram Revision~~	4	Research Vue	1	BRD Revisions	1	
	Factor in Code Review Times	1	~~Archiving Diagram Revision~~	4	Research Angular	1	AWS Cloud setup	4	
	Add Estimates/Times for other tasks	1	~~Authorization Diagram Revision~~	3	DAR First draft	3	Azure Cloud setup	4	
	Add Risks and Mitigations	1	~~Authentication Diagram Revision~~	3			Google Cloud setup	4	
	Break up Default Tasks	1	~~UM Diagram Revision~~	3					
	Update efforts on setting up environment	1	~~Bulk Operation Diagram Revision~~	3					
	Specify Dates on Production Deployment	1	~~Create Diagram Revision~~	3					
	Align Test Cases with Project Plan	1	~~Update Diagram Revision~~	3					
	Add Gantt Chart	2	~~Delete Diagram Revision~~	3					
			~~Disable Diagram Revision~~	3					
			~~Enable Diagram Revision~~	3					
Total:		11		39				14	
Assigned Tasks	Update Application Specific Components	1	DA Diagram Revision	4	Research React	1	Cloud DAR metrics email	1	
	Factor in Code Review Times	1	Logging Diagram Revision	4	Research Vue	1	BRD Revisions	1	
	Add Estimates/Times for other tasks	1	Archiving Diagram Revision	4	Research Angular	1	AWS Cloud benchmark	4	
	Add Risks and Mitigations	1			DAR First draft	3	Azure Cloud benchmark	4	
	Break up Default Tasks	1					Google Cloud benchmark	4	
	Update efforts on setting up environment	1							
	Specify Dates on Production Deployment	1							
	Align Test Cases with Project Plan	1							
	Add Gantt Chart	2							

Total:		11		12		6		14	
			Authorization Diagram Revision	3			Cloud DAR First draft	2	
Leftover Tasks			Authentication Diagram Revision	3					
			UM Diagram Revision	3					
			Bulk Operation Diagram Revision	3					
			Create Diagram Revision	3					
			Update Diagram Revision	3					
			Delete Diagram Revision	3					
			Disable Diagram Revision	3					
			Enable Diagram Revision	3					
Total:				27		0		2	
Sprint 11									
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		
Task Breakdown	Code Revision - DAL	5	Authorization Diagram Revision	3	Finalize Front end DAR	5	Cloud hosting DAR first draft	2	
	Code Revision - Logging	5	Authentication Diagram Revision	5			Cloud Data Store DAR	2	
	Code Revision - Archiving	5	UM Diagram Revision	3			Azure Cloud benchmark	4	
			Bulk Operation Diagram Revision	3			AWS Cloud benchmark	4	
			Create Diagram Revision	2			Google Cloud benchmark	4	
			Update Diagram Revision	2					
			Delete Diagram Revision	2					
			Disable Diagram Revision	2					
			Enable Diagram Revision	2					
Total:		15		24		5		16	
Assigned Tasks	Code Revision - DAL	5	Authorization Diagram Revision	3	Front end metric revisions	3	Cloud hosting DAR first draft	2	
	Code Revision - Logging	5	Authentication Diagram Revision	5	front end recommendation	1	Cloud Data Store DAR first draft	2	
	Code Revision - Archiving	5	UM Diagram Revision	3	Front end metric descriptions	1	Azure Cloud benchmark	4	
			Bulk Operation Diagram Revision	3			AWS Cloud benchmark	4	
			Create Diagram Revision	2			Google Cloud benchmark	4	
			Update Diagram Revision	2					
			Delete Diagram Revision	2					
			Disable Diagram Revision	2					
			Enable Diagram Revision	2					
Total:		15		24		5		16	
Leftover Tasks	Code Revision and Testing - Logging	2					Cloud hosting DAR first draft		
	Code Revision and Testing - Archiving	3					Cloud Data Store DAR first draft		

Total:		5				0		2	
Sprint 12									
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		
Task Breakdown	Code Revision and Testing - Logging	2	Authentication Test Writeup	2	Registration - Preconfirmation sequence diagrams	10	Database Setup - Creating/Obtaining Connection to database	1	
	Code Revision and Testing - Archiving	3	Authorization Test Writeup	1			Database Setup - Setting up SQL database	1	
	Datastore Access - Connect to Database	1	Authentication Backend Code	4			Connecting Database and ORM	2	
	Datastore Access - Develop layers and Access	3	Authorization Backend Code	3			Cloud Data Store/Database DAR	4	
	UAD - Backend Code	7	Authentication Frontend Code	3			Cloud Hosting DAR	6	
	UAD - Frontend Code	7	Authorization Frontend Code	3			Creating Cloud Hosting Instance	3	
	UAD - Testing	9	UM Test Writeup	2			Creating Cloud Virtual Machine	3	
	Add New Syllabus Information to Project Plan	1	UM Backend Code	4					
			UM Frontend Code	4					
			Revise Authentication Diagrams	3					
			Revise Authorization Diagrams	2					
Total:		32		31		24			
Assigned Tasks	Code Revision and Testing - Logging	2	Authentication Test Writeup	2	Registration - Preconfirmation sequence diagrams	10	Cloud Setup	6	
	Code Revision and Testing - Archiving	3	Authorization Test Writeup	1			Database Setup	2	
	Datastore Access - Connect to Database	1	Authentication Backend Code	4			~~Cloud Data Store/Database DAR~~	4	
	Datastore Access - Develop layers and Access	3	Authorization Backend Code	3			~~Cloud Hosting DAR~~	6	
	UAD - Backend Code	7	UM Test Writeup	2					
	UAD - Testing	9	UM Backend Code	4					
	Add New Syllabus Information to Project Plan	1	Revise Authentication Diagrams	3					
	UAD Sequence Diagrams	6	Revise Authorization Diagrams	2					
Total:		32		21		10		18	
Leftover Tasks	UAD - Frontend Code	7	Authentication Frontend Code	3					
			Authorization Frontend Code	3					
			UM Frontend Code	4					

Total:						0		2				
Sprint 13												
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		Ian (I)		Ryan (R)	
Task Breakdown	UAD - Design : Sequence Diagrams - Navigate Success	5	Authentication - Sequence Diagrams - Research Cookies and Token	15	Registration - Sequence Diagrams	15	Cloud Data Store DAR Revisions	2	Database Setup - Design	25	Logout-Design	15
	UAD - Design : Sequence Diagrams - Navigate Authorization Failure	2	Authentication - Sequence Diagrams - Cookie/Token Success Case	4	Front End DAR - Revision	3	Cloud Hosting DAR Revisions	2	Database Setup - Implementation	10	Logout-Implementation	20
	UAD - Design : Sequence Diagrams - Navigate View Load Failure	2	Authentication - Sequence Diagrams - Error Cases	4	Registration Test Case Writeup	5	Account Deletion - Design(Sequence Diagram)	5	Database Setup - Testing	10	Logout-Testing	5
	UAD - Design : Sequence Diagrams - KPI Refresh Failure	2	Authentication - Test Writeup	3	Registration - Implementation (backend)	10	Account Deletion - Implementation (Backend)	10	Database Setup - Documentation	3	Logout-Documentation	3
	UAD - Design : Sequence Diagrams - KPI Refresh Totality Failure	2	Authentication - Backend	6	Registration - testing (nbackend)	3	Account Deletion - Implementation (Frontend)	5	Database Setup - Test Case Write-up	5	Logout-Test Case Writeup	5
	UAD - Design : Sequence Diagrams - KPI Refresh Timeout Failure	2					Account Deletion - Frontend Testing	5				
	UAD - Backend Implementation : Navigate View	10					Account Deletion - Backend Testing	5				
	UAD - Backend Implementation : Refresh View	5					Account Deletion - Documentation	3				
	UAD - Backend Testing	5										
Total:		35		32		36		37		53		48
Assigned Tasks	UAD - Design : Sequence Diagrams - Navigate Success	5	Authentication - Sequence Diagrams - Research Cookies and Token	15	Registration - Sequence Diagrams	15	Cloud Data Store DAR Revisions	2	Database Setup - Design	25	Logout-Design	15
	UAD - Design : Sequence Diagrams - Navigate Authorization Failure	2	Authentication - Sequence Diagrams - Cookie/Token Success Case	4	Front End DAR - Revision	3	Cloud Hosting DAR Revisions	2	Database Setup - Implementation	10	Logout-Implementation	20
	UAD - Design : Sequence Diagrams - Navigate View Load Failure	2	Authentication - Sequence Diagrams - Error Cases	4	Registration Test Case Writeup	5	Account Deletion - Design(Sequence Diagram)	5	Database Setup - Testing	10	Logout-Testing	5
	UAD - Design : Sequence Diagrams - KPI Refresh Failure	2			Registration - Implementation (backend)	10	Account Deletion - Implementation (Backend)	10	Database Setup - Documentation	3	Logout-Documentation	3
	UAD - Design : Sequence Diagrams - KPI Refresh Totality Failure	2			Registration - testing (nbackend)	3	Account Deletion - Implementation (Frontend)	5	Database Setup - Test Case Write-up	5	Logout-Test Case Writeup	5
	UAD - Design : Sequence Diagrams - KPI Refresh Timeout Failure	2					Account Deletion - Frontend Testing	5				
	UAD - Backend Implementation : Navigate View	10					Account Deletion - Backend Testing	5				
	UAD - Backend Implementation : Refresh View	5					Account Deletion - Documentation	3				
	UAD - Backend Testing	5										
Total:		35		23		36		37		53		48
Leftover Tasks	UAD - Backend Testing	5	Authentication - Test Writeup	1.5	Registration Test Case Writeup	5	Account Deletion - Coding, Implementation, testing	8				
	UAD - Backend Implementation : Navigate View	10	Authentication - Backend	6	Registration - Testing	3						

	UAD - Backend Implementation : Refresh View	2			Registration - implementation (create account, confirm account)	5						
Total:		17						2		2		
Sprint 14												
	Jessie (J)		Matthew (M)		Pammy(P)		Viet (V)		Ian (I)		Ryan (R)	
Task Breakdown	UAD - Backend Testing	5	Request OTP - Test Writeup	2	Registration Test Case Writeup	5	Account Deletion - Implementation (Backend)	8	Datastore Access - Design	30		
	UAD - Backend Implementation : Navigate View	10	Authentication - Test Writeup	2	Registration - Testing	3	Account Deletion - Implementation (Frontend)	5	Datastore Access - Implementation	10		
	UAD - Backend Implementation : Refresh View	2	Authorization - Test Writeup	2	Registration - implementation (create account, confirm account) backend	5	Account Deletion - Frontend Testing	3	Datastore Access - Testing	15		
	UAD - Frontend Testing	5	Request OTP Backend	4	Registration - implementation (front end)	10	Account Deletion - Backend Testing	3	Datastore Access - Documentation	3		
	UAD - Frontend Implementation	5	Authentication Backend	5	Registration - documentation	3	Account Deletion - Documentation	3	Database Setup - Implementation - Ian's Tables	5		
	UAD - Documentation	3	Authorization Backend	4	Registration - testing frontend	2						
	Logout - Design	5	Request OTP Backend Testing	3	AJAX DAR	3						
	Logout - Test Writeup	3	Authentication Backend Testing	4								
	Logout - Backend Implementation	5	Authorization Backend Testing	1								
	Logout - Backend Testing	2	Request OTP Frontend	4								
	Logout - Frontend Implementation	3	Authentication Frontend	6								
	Logout - Frontend Testing	2	Authentication Frontend Testing	2								
			Request OTP Frontend Testing	2								
			Authentication Documentation	3								
			PBKDF2 Frontend DAR	8								
Total:		35		52		31				58		
Assigned Tasks	UAD - Backend Testing	5	Request OTP - Test Writeup	2	Registration Test Case Writeup	5	Account Deletion - Implementation (Backend)	8	Datastore Access - Design	20		
	UAD - Backend Implementation : Navigate View	10	Authentication - Test Writeup	2	Registration - Testing	3	Account Deletion - Implementation (Frontend)	5	Datastore Access - Implementation	7		
	UAD - Backend Implementation : Refresh View	2	Authorization - Test Writeup	2	Registration - implementation (create account, confirm account) backend	5	Account Deletion - Frontend Testing	3	Datastore Access - Testing	5		
	UAD - Frontend Testing	5	Request OTP Backend	4	Registration - implementation (front end)	10	Account Deletion - Backend Testing	3	Datastore Access - Documentation	2		
	UAD - Frontend Implementation	5	Authentication Backend	5	Registration - documentation	3	Account Deletion - Documentation	3	Database Setup - Implementation - Ian's Tables	5		
	UAD - Documentation	3	Authorization Backend	4	Registration - testing frontend	2	Datastore Access - Design	10				
	Logout - Design	5	Request OTP Backend Testing	3			Datastore Access - Implementation	3				
	Logout - Test Writeup	3	Authentication Backend Testing	4	Account Deletion - Implementation (Frontend)	5	Datastore Access - Testing	5				
	Logout - Backend Implementation	5	Authorization Backend Testing	1	Logout - Frontend Testing	2	Datastore Access - Documentation	1				

	Logout - Backend Testing	2	Request OTP Frontend	4	Ajax DAR	3							
	Logout - Frontend Implementation	3	Authentication Frontend	6									
			Authentication Frontend Testing	2									
			Request OTP Frontend Testing	2									
			Authentication Documentation	3									
			PBKDF2 Frontend DAR	8									
Total:		50		52		38		41		39			
Leftover Tasks													
Total:													

Sprint 5				
	Jessie	Matthew	Pammy	Viet
What went well	Through feedback and office hours we were able to refine our Scrum process by being more detailed	We acted on some of the feedback on our Scrum, this can be seen in our new project sheets.	Our scrum process was much more refined than last time, thanks to the feedback provided in our last retrospective and in office hours.	We got a lot of feedback from office hours and improved how we performed scrum
Issues	Low sprint capacities as well as unexpected interruptions from other classes	We were still missing some things from showing off our sprint planning process and everyone's capacities were quite low for this sprint. We did not have a set time for updating our burnup charts, which resulted in some mismatched charts and it	Low sprint capacities made us not able to do much. We were pretty inconsistent with out burnup chart.	Some people were busy with classes (me included) so it made it hard to finish tasks that were assigned this sprint
Improvements	Update scrums and burnup charts at 11pm everyday	We will have all of our burnup chart updates and Scrums posted by 11pm everyday.	Burnup charts and scrumwill be required to be posted by 11 PM everyday	We now have a set time to update our scrums and burnup charts

Sprint 6				
	Jessie	Matthew	Pammy	Viet
What went well	More strict enforcement of Daily Scrum Logs and Burnup chart updates gave better insight into Team Progress	We improved our Sprint planning process by following all the steps that we discussed with the professor during office hours. This can be seen in our new Project Sheet Document. We improved the documenting of our daily Scrums and updating our Burnup Charts by setting a deadline of 11pm.	Burnup charts and scrum updated at 11pm every night. This in turn made our Project Sheet Document more accuarte.	Our scrum process was more in line with what Professor had in mine
Issues	Work capacities were fairly low due to other issues that had presented themselves	Despite getting everyones initial capacities, issues arose that resulted in less work than predicted.	Low initial capacities and low moral.	Other classes started kicking in, and I had less time capacities
Improvements	Team Lead will send reminders and a report of the daily performance	Everyday at the end of our daily meetings, the team leader will send out a notification in regards to everyone's daily performance, according to their burnup charts and daily Scrums, and what improvements they need to make in the remaining time of the sprint.	Team leader will send a notification on daily performance, reminders on burnup charts and daily scrums	Our team lead would give a daily performance report at the end of our scrums

Sprint 7				
	Jessie	Matthew	Pammy	Viet
What went well	The team was able to complete most of the work we had for this Sprint despite any issues that presented themselves	Despite the issues that we ran into, the team was able to mostly complete all of the work that we brought in for this sprint. We also made further adjustments to our project and sprint planning.		Even though we ran into problems, the team as a whole was able to finish up a lot of the work that was assigned this sprint
Issues	Timing with other class assignments created problems completing assigned work on time	At the start of the sprint, we were still unsure of what exactly we needed to be doing in order to work towards the completion of Milestone 3. Once again, we ran into slight issues with capacities due to outside factors such as other classes. Not everyone was complying with the deadlines for Scrums and Burnup chart updates.	Issues in understanding what was needed in low level design prevented us from really contributing much this sprint. In general, this is due to a lack of information on what is needed	I was behind on my backlog, and busy working on other classes, I did not get much done in my sprint
Improvements	Improved task breakdown through discussion of work items and tasks during meetings to allow for better allocation of time thereby preventing any time creep	Team lead will send continue to send out notifications for posting Scrums and updating burnup charts by the designated time in addition to the notification regarding everyone's daily performance. Team lead will individually contact members who forget to post their Scrums and update burnup charts by the designated time.	Go to office hours and clarify everything that is needed	Our team leader will send out multiple notifications a day, more often after scrums for the team to update the burnup chart

Sprint 8				
	Jessie	Matthew	Pammy	Viet
What went well	Considering the fact that it was a break we were able to effectively plan and get to a decent amount of work	We we're able to get an alright amount of work done, considering it was a break, and we also learned a lot about LL design from the bonus lecture.	Team made a more conscious effort to attend every office hours	I got an adequate amount of work during break, and learned sequence diagrams and how to create them. I was also able to hash out ideas with my teamates
Issues	As it was break we admitetly did not get to complete as much as we would have liked to	It was a break week, so we weren't able to get as much done as we would have normally gotten done or planned to do.	Was not able to do much due to break	It was a sprint through break, so obviously we couldn't get that much work done but we did some good information and stuff done for milestone 3
Improvements	Be more aware of the amount of work that will get done during breaks and give more appropriate estimates and assignments of work	Take better consideration of the the fact that breaks usually mean people will get less work done, so in the future we will apply a default deduction to everyone's expected capacity in order to provide ourselves a better buffer.	Take low capacities due to break. We need to take account to this otherwise we will assign work that cannot be done	don't try to assign too much work during a break, since we know not much work will get done. This will be different from christmas break though, because we have free time and our main priority will to get a headstart on the project. We will have sprints throughout break, but with reasonable capacities

Sprint 9				
	Jessie	Matthew	Pammy	Viet

What went well	We were able to devote a good amount of time towards finishing the Milestone and Sprint putting in however many hours were necessary.	For the most part, the team was able to put in a lot of time in order to finish the Milestone. We were able to finish the design of all the Milestone items and code a majority of them.	We were able finish all the milestone documents as well as the sequence diagrams for the milestone. I think we got a good idea as a time how much effort will be needeed to complete this project	We were able to get all the required documents and diagrams done for milestone 3		
Issues	Our work as not as complete as it could have been and there were some issues in our design that we were not aware of until after we had implemented it.	We had some issues with our diagrams that we only became aware of after actually coding. We did not have sufficient unit tests and not everything worked by the due date. Due to other finals, as well as personal reasons, capacity took a down turn during some moments.	We were not able to complete the work we assigned to us as our design had a lot of issues. We were not aware of the issues until after we implemented. These issues included libraries that pointed to each other	We underestimated issues in both design and coding and were rushed towards the end and our deliverable wasn't the as clean as it could have been		
Improvements	As a team we realized how our capacities need to increase as more work in the future is going to require more dedication to the class. We will also spend more time on design as flawed designs will impact later work.	After having gone through the process of creating the Milestone 3 items, we are more aware of how much work we can expect in the future, so we will be able to give better estimates when the time comes. Put more time into design and researching technology so we can try and avoid running into similar issues and check with the professor more often about our designs.	As a team we realized that we will need to put more time into design as this is something that will have future consequences. Therefore we will be attending office hours more frequently to discuss our designs	We will ask Professor about how to streamline our breakdowns and design to not run into issues, and also perform breakdowns with a little bit more of a buffer in order to account for said issues		
Sprint 10						
	Jessie	Matthew	Pammy	Viet		
What went well	We had fixed Milestone 3 Work Items as they were needed	We were able to make some of the necessary revisions to some Milestone 3 items.	Was able to make revisions to milestone 3 items.	We made considerable progress on our cloud technologies due to past work from group members and were able to create instances and databases		
Issues	Since it was the first sprint after the end of the semester, team members had a fairly low capacity.	This was our first sprint after the end of the semester, so everyone was at a low capacity.	Realllyyyyy low capacity due to break. Not really an issue as we don't really have any work items beside next semesters planning	This was our sprint in winter break after taking time off, so all our capacities were low and we were rusty getting back into the process.		
Improvements	We will change the sprint schedule so that it better fits team members' schedules as well as meeting times.	In our future sprints we will be upping our capacity so that once the semester starts, we will be good to go. We will also be trying out different sprint schedules and meeting times in preparation for the coming semester.	No improvements needed to be made	We will be reupping our capacities by at least 1/2 and review our past sprints in order to get back into the groove of things .		
Sprint 11						
	Jessie	Matthew	Pammy	Viet		
What went well	The team was able to increase their sprint capacities and we did a good job at meeting those capacities	Almost everyone was able to up their capacity more and hit them. We were able to make good progress in revising more Milestone 3 items as well as working on finishing DARs.	Most of us were able to hit our sprint capacities which meant we were able to improve from our last sprint	We all increased our sprint capacity and were able to do much more work than our last sprint.		
Issues	Although there was an increase, we were not yet at our desired sprint capacity that we would like to have seen for this semester	This was our second sprint after the end of the semester, so our capacities were still lower than what we wanted.	Some of us were sick as well as winding down from a semester so we weren't able to do much	We weren't at our optimal capacities during the school year, and I had contracted COVID and had to take care of family members, so I was not able to do as much work as I would have liked		
Improvements	We will increase our sprint capacity that way we can have better alotment of tasks	We will continue to work on upping our capacity.	I don't think we have to improve much as our issues were due it being break as well as not really any work items to work on	Getting sick was unavoidable, but I will reestimate capacities. I also spent excess time on DARs, so I will send more frequent emails to clarify confusion instead of wasting time		
Sprint 12						
	Jessie	Matthew	Pammy	Viet		
What went well	We were able to make the necessary adjustments and revisions to the Project Plan	We were able to finish making revisions to our project plan as needed.	We were able revise the project plan and BRD	Our team did well under pressure by revising the project plan in the short amount of time we were given, as we had to push many work items back and make space for new work items		
Issues	Re-estimations of work items caused a realization of there being more work we need to do. Also being the first sprint of the semester, capacities were fairly low.	This was our first sprint of the semster, but our capacities were still a bit on the low side. Some of our items we realized would take longer than estimated, and that we also had to make changes to account for new information that the professor lectured on.	We had to split up the features among our group again as are group expanded. We were not really sure of what our estimations would look like. We also did not put in enough into our sprint capacity as we were still in winter break.	Certain things were rushed in the revision of the project plan because our BRD also had to be revised, and so our project plan estimation is not as accurate as it could have been. It was also our first sprint hitting the ground running since the break, so our capacities were suddenly spiked and it made it hard to hit said capacities.		
Improvements	The team will continue increasing their sprint capacity to what we need it to be. We will also follow the Project Plan more closely that way we can be efficient in the work delegated to team members.	We will continue upping our capacity so that we can adhere as best we can to the project plan. We will try to estimate better how much work things should take, also taking into consideration what the professor might be lecturing on.	We will increase capacity as well as get a better feel of what the team can do for our estimations.	Improvements that could be made are to slowly ramp up capactiies, because otherwise the sudden increase of capacities would be hard to hit. An improvement would be to add 1 or 2 hours of capacity everyday for the duration of the sprint, and depending on how those capacities are hit we can continue increasing.		
Sprint 13						
	Jessie	Matthew	Pammy	Viet	Ian Ho-Sing-Loy	Ryan
What went well	Throughout this sprint I was able to have a much better scheduling of work due to the revised Project Plan that was much more detailed in the breakdowns as well as the reevaluations of work items.	During this sprint, I was able to get a solid understanding of the requirements for Authentication and what exactly needs to be done for this core component. Almost everyone went to most of the available office hours and were able to get a lot of questions answered and feedback from the professor.	I think I was able to really understand how much work will go into a single feature (planning, implementnig, testing). Most of the team was able to meet daily as well as attend office hours.	Our team was able to get our cloud DARs approved, which were leftover from last sprint. Those were crucial because we need those technologies order to set up the database and VMs, and to store and deploy our application. I was also able to get a good understanding of account deletion and how to delete all references of the account by performing a stored procedure.	This is my first completed sprint with my new team. I understand the SCRUM methodology better than my previous attempt. I managed to get the tables and UML model. I managed to get the business rules and requirements from most of my teammates and managed to implement them in the tables. Getting used to the daily meetings and slowly getting used to the accountability was the best thing for me.	

Issues	This sprint I had issues with the sequence diagram designs for the Usage Analysis Dashboard as I was not necessarily clear on all aspects of the core component, in addition I was not sure how certain aspects of the design would be shown in the sequence diagrams. I was also not able to make it to office hours as much as I would have liked to, therefore any questions that I had about design had me blocked until I recieved help from teammates. Due to these issues I was not able to complete all assigned tasks in this sprint (testing writeup and backend implementation), therefore I must carry it over to the next sprint.	Because I did not have a solid grasp of what exactly was needed for Authentication and how to put the parts together, I spent a lot more time on research, diagraming, and getting feedback on the flow during office hours, which resulted in my being unable to complete the test writeup and backend code for Authentication. An issue that we had overall as a team was along the same lines. I would say that almost everyone needed to get more clarification on how best to design their component, which resulted in more time designing and researching, and less time implementing. These reasons are why some people were not able to finish the coding that we had previously planned to do. Another issue is that Ryan has not been attending meetings (the last meeting he attended was last Sunday, so an entire week ago), he has not attended almost any office hours, and he has not been keeping me updated on his work progress. In addition, he did not update his burn up charts with his daily work, nor did he provide his forecast burn for the sprint, which is why the burnup chart for this sprint is so messed up (forecast burn is lacking and overall team work is even lower with the addition of the previously mentiond issues)During one of the previous office hours, I talked with the professor on how to deal with the situation, and conveyed his words to Ryan, albeit over text since I was still unable to get him to meet with me.	I really underestimated my estimated hours that would be needed to design and implement the requirement feature. I spent most of my time designing and writing the DAR (understanding and testing). This left some work leftover for the next sprint that I will have to make up for. The rest of the team had the same issues with not allocating enough time to implement the project and spending more time on the design portion. We also had issues with a member not joining daily meetings as well as a general lack of communication.	I had remaining work from last sprint leftover, and that also seems to be the case for this sprint as well. The design portion of my core component took much more time than expected, so backend implementation has been pushed back to next sprint. That caused me to miss my points target by a lot since i wasn't able to get to backend implementation. I also had to spend almost half of my sprint finishing the cloud DARs, as creating and estimating metrics took longer than expected. I prioritized the DARs since they were leftover from last sprint, but that caused the chain effect of me now pushing back this sprint's work to next sprint, and so on. The design for the account deletion also came along slow because I was only able to make half of the office hours meeting this sprint due to other matters.	Despite my successes, I need to catch up with the ASP.NET framework. I need to read up on it to prepare for my feature. Since I joined this team, I spent a significant portion of the sprint understanding what all the components of the application do. I had to spend time with my teammates going over what they need for their feature. Communications with my teammates was not perfect, especially those who do not communicate readily. Part of creating the tables was hampered because I was not aware of one of my teammates work schedule rendered him unavailable for the majority of the week. I also overestimated how much I could do for the two week period of the sprint. I also had a slow start which meant for me more cramming in the second week of the sprint.	
Improvements	In the future, I will try and attend more office hours with presentable work so that I may recieve feedback and answers to any questions that I may have that are causing me to be blocked in my work.	In the future, I will be allocating even more time to research and design as when I am able to fully understand what needs to be done, I am able to create a design that is easily convertable to code and ultimately spend less time coding. I will also be trying to attend every office hours and work to have something to show at each in order to get further feedback so that I can keep constant track of my progress. We will be discussing Ryan's situation with the professor during Monday's team review.	I will estimate more hours that will be needed. I've allocated more time in my personal life to work on my estimated work items. As such, I've increased my capacity for the next sprint.	In the future, I will do my best to attend all office hours, and also come with a draft and questions, because not only will I get feedback on my draft, but it will also branch off into other related topics or details which were not considered before. I will also be dedicating much more time on design with the professor and my team in order to quickly finalize design to code things up.	I will attend more office hours with questions. I will prioritize the task items in the sprint more in the early days of the sprint. I will also read more into ASP.NET and get myself up to speed.	
Sprint 13						
	Jessie	Matthew	Pammy	Viet	Ian Ho-Sing-Loy	Ryan
What went well						
Issues						
Improvements						