`Sprint Dates: 4/2 to 4/8
Items to mention

Schedule

Member	4/2	4/3	4/4	4/5	4/6	4/7	4/8
Jason	3	0	0	0	0	2	3
Jesus	2	2	0	2	2	0	0
Vi	4	4	0	4	4	4	2
Gio	2	5	0	5	5	5	5
Rainier	2	0	0	3	2	3	4

Team Capacity

Members	Hours Available
Jason	8
Jesus	8
Vi	22
Gio	27
Rainier	14
Team Capacity (Total) =	79

Unavailable Days

Members	Unavailable Days	Reason
Jason	4/4, ⅘, 4/6	Break
Jesus	4/7,4/8	Break
Vi		
Gio		
Rainier	4/3	Break

Task Breakdown

Work Items Based on Product Backlog

Work Items	Effort Points (Hours)	Assigned Owners
User Direction DAR	2	Vi
Car News Center DAR	1	Vi
Vehicle Profile (VP - 1)	34	Rainier
Vehicle Profile (VP - 2)	34	Rainier
Vehicle Profile (VP - 3)	34	Rainier
Vehicle Profile (VP - 4)	34	Rainier
Vehicle Profile (VP - 5)	34	Rainier
Security	18	Various
Communication Establishment (CE) LLD	9	Gio
Donate Your Car (DYC - 1)	9	Gio
Donate Your Car (DYC - 2)	9	Gio
Vehicle Marketplace (VPM-1)	55	Vi
Vehicle Marketplace (VPM-2)	34	Vi
Inventory Management (IM-1)	34	Rainier
Inventory Management (IM-1)	34	Rainier
Security S -1	32	Jesus
VPM - 1	55	Vi
CNC - 1	34	Vi
CNC - 2	55	Vi

CNC - 3	34	Vi
Service Log SL - 1	40	Jason
Service Log SL - 2	40	Jason
Service Log SL - 3	40	Jason
Service Log SL - 4	40	Jason

Vehicle Profile
- **Vehicle Profile (VP-1)** → **Rainier** → **6EP**
  1. XUnit Test cases → Rainier → 1EP
  2. Manager Layer → Rainier → 1EP
     - Interfaces
     - Implementation
  3. Entry Point → Rainier → 2EP
     - Implementation
  4. End-to-End Testing → Rainier → 2EP
- **Vehicle Profile (VP-2)** → **Rainier** → **6EP**
  1. XUnit Test cases → Rainier → 1EP
  2. Manager Layer → Rainier → 1EP
     - Interfaces
     - Implementation
  3. Entry Point → Rainier → 2EP
     - Implementation
  4. End-to-End Testing → Rainier → 2EP
- **Vehicle Profile (VP-3)** → **Rainier** → **6EP**
  1. XUnit Test cases → Rainier → 1EP
  2. Manager Layer → Rainier → 1EP
     - Interfaces
     - Implementation
  3. Entry Point → Rainier → 2EP
     - Implementation
  4. End-to-End Testing → Rainier → 2EP
- **Vehicle Profile (VP-4)** → **Rainier** → **2EP**
  1. End-to-End Testing → Rainier → 2EP
- **Vehicle Profile (VP-5)** → **Rainier** → **2EP**
  1. End-to-End Testing → Rainier → 2EP

Inventory Management

- **Inventory Management (IM-1)**   → **Rainier**   → **11EP**
  1. Low Level Design
     - Pass Scenario   → Rainier   → 1EP
     - Fail Scenarios   → Rainier   → 1EP
  2. XUnit Tests   → Rainier   → 1EP
     - Implementation
  3. Sql Target Layer   → Rainier   → 1EP
     - Interfaces
     - Implementation
  4. Service Layer   → Rainier   → 1EP
     - Interfaces
     - Implementation
  5. Manager Layer   → Rainier   → 2EP
     - Interfaces
     - Implementation
  6. Entry Point   → Rainier   → 2EP
  7. End-to-End Testing   → Rainier   → 2EP
- **Inventory Management (IM-2)**   → **Rainier**   → **11EP**
  1. Low Level Design
     - Pass Scenario   → Rainier   → 1EP
     - Fail Scenarios   → Rainier   → 1EP
  2. XUnit Tests   → Rainier   → 1EP
     - Implementation
  3. Sql Target Layer   → Rainier   → 1EP
     - Interfaces
     - Implementation
  4. Service Layer   → Rainier   → 1EP
     - Interfaces
     - Implementation
  5. Manager Layer   → Rainier   → 2EP
     - Interfaces
     - Implementation
  6. Entry Point   → Rainier   → 2EP
  7. End-to-End Testing   → Rainier   → 2EP

Security

- **Middleware, and JWT implementation validation**   → **Jesus**   → **2 EP**
  1. Validating Authorization function (Uses JWT)   → Jesus   → 1 EP
  2. Validating remaining JWT functions   → Jesus   → 1 EP
- **All unit tests for Security service**   → **Various**   → **5 EP**
  1. <= Service layer unit tests   → Vi   → 2 EP

    2. Manager tests for AuthZ   → Jesus   → 1 EP
    3. Front end unit tests   → Jason   → 2 EP

Service Log

- **Service Log SL - 1**
    1. Create ServiceLogModel Class   → Jason   → 1 EP
    2. Create ServiceLogDBTarget   → Jason   → 2 EP
    3. Create ServiceLogService Class   → Jason   → 1 EP
    4. Implement CreateServiceLog Method in class → Jason   → 2 EP
- **Service Log LLD's**
    1. Create new success scenarios based on Peer Review Feedback   → 2 EP
    2. Create fail cases based on Peer Review feedback   → 3 EP

Configuration Setup

- **Setting up configuration in DAO**   **→ Jesus**   **→ 6 EP**
    1. Research config implementation for EP   → Jesus   → 2 EP
    2. DTO's, Files, Or external factors for DAO   → Jesus   → 2 EP
    3. Modify DAO to accept new changes   → Jesus   → 2 EP
- **Setting up configuration in Email Service** **→ Jesus**   **→ 2 EP**
    1. DTO's, Files, etc   → Jesus   → 1 EP
    2. Modify Email Service to accept new changes   → Jesus   → 1 EP

Communication Establishment (CE-1)

- LLD(pass/fail cases)   → Gio   →3EP
- Create UnitX test cases   →Gio   →4EP
- Create Service for sending request   →Gio   →4EP
- Create Service for creating chat session   →Gio   →4EP
- Create Manager Layer function   →Gio   →4EP
- Create Front End function   →Gio   →3EP
- Create Endpoint function   →Gio   →2EP

Communication Establishment (CE-2)

- LLD(pass/fail cases)   → Gio   → 3EP
- Create UnitX test cases   →Gio   →4EP
- Create Service for managing chat sessions →Gio   →4EP
- Create Manager Layer function   →Gio   →4EP
- Create Front End function   →Gio   →3EP
- Create Endpoint function   →Gio   →2EP

Communication Establishment (CE-3)

- LLD(pass/fail cases)   → Gio   → 3EP
- Create UnitX test cases   →Gio   →4EP
- Create Service for confirm/cancel sell   →Gio   →4EP
- Create Manager Layer function   →Gio   →4EP
- Create Front End function   →Gio   →3EP
- Create Endpoint function   →Gio   →2EP

Vehicle Marketplace (VPM-1)

1. Test cases   → Vi   → 4EP
2. SqlMarketplaceTarget Create function
    a. Adjusting SQL command for UPDATE   → Vi   → 2EP
3. PostUploadService   → Vi   → 2EP

Car News Center (CNC-1)

1. Sequence Diagrams
    - Pass   → Vi   → 1EP
    - Fail   → Vi   → 2EP

Car News Center (CNC-2)

1. Sequence Diagrams
    - Pass   → Vi   → 1EP
    - Fail   → Vi   → 2EP

Car News Center (CNC-3)

1. Sequence Diagrams
    - Pass   → Vi   → 1EP
    - Fail   → Vi   → 2EP

Communication Establishment Peer Review   → **Jesus**   → **5 EP**

1. Peer review completion   → Jesus   → 5 EP

Task Distribution

Members	Hour // EP remaining	Tasks

Jason	8 - 8 = 0	**Service Log SL - 1**
		1. Create ServiceLogModel Class
		                → Jason
		     → 1 EP
		2. Create ServiceLogDBTarget
		                → Jason
		     → 2 EP
		3. Create ServiceLogService Class
		                → Jason
		     → 3 EP

		4. Implement CreateServiceLog Method in class → Jason → 2 EP
Jesus	8 - 2 - 1 - 8 - 5 = -8	**Middleware and JWT (2 EP Total)** ● Validating Authorization function (Uses JWT) (1 EP) ● Validating remaining JWT functions (1 EP) (1 EP) **Security Testing (1 EP Total)** ● Manager tests for AuthZ (1 EP) **Configuration Setup (8 EP Total)** ● Setting up DAO (6 EP) ● Setting up Email service (2 EP) **CE Peer Review (5 EP Total)** ● Peer Review (5 EP)
Vi	22-3-8-9=2	● UD-DAR - (2EP) ● CNC-DAR - (1EP) **Vehicle Marketplace (VPM-1) (8EP)** ● Test cases ● SqlMarketplaceTarget Create function ● PostUploadService **CNC(1,2,3) (9EP)** ● **LLD**

Gio	27-28-55=-56	**Donate Your Car (DYC - 1) (9)**
		● Create Unit tests (3 EP)
		● Implementation (4 EP)
		● Revision (2 EP)
		  ○ Implementing fixes from peer review
		Donate Your Car (DYC - 2) (9)
		● Create Unit tests (3 EP)
		● Implementation (4 EP)
		  ○ Writing the code for javascript and html if vehicle details are in local storage
		● Revision (2 EP)
		  ○ Implementing fixes from peer review

		CE(1,2,3)(9EP)
		• LLD CE-1
		   ○ Pass (1.5EP)
		   ○ Fail (1.5EP)
		• LLD CE-2
		   ○ Pass (1.5EP)
		   ○ Fail (1.5EP)
		• LLD CE-3
		   ○ Pass (1.5EP)
		   ○ Fail (1.5EP)
		CE Coding(55EP)
		• CE-1
		   ○ Create UnitX test cases (4EP)
		   ○ Create Service for sending request(4EP)
		   ○ Create Service for creating chat session(4EP)
		   ○ Create Manager Layer function(4EP)
		   ○ Create Front End function(3EP)
		   ○ Create Endpoint function(2EP)
		
		• CE-2
		   ○ Create UnitX test cases (4EP)
		   ○ Create Service for managing chat sessions(4EP)
		   ○ Create Manager Layer function(4EP)
		   ○ Create Front End function(3EP)
		   ○ Create Endpoint function(2EP)
		• CE-3
		   ○ Create UnitX test cases (4EP)
		   ○ Create Service for confirm/cancel sell(4EP)
		   ○ Create Manager Layer function(4EP)
		   ○ Create Front End function(3EP)
		   ○ Create Endpoint function(2EP)

Rainier		• **Vehicle Profile (VP-1)** **→ Rainier → 6EP**

		1. XUnit Test cases → Rainier → 1EP 2. Manager Layer → Rainier → 1EP 　■ Interfaces 　■ Implementation 3. Entry Point → Rainier → 2EP 　■ Implementation 4. End-to-End Testing → Rainier → 2EP ● **Vehicle Profile (VP-2)** **→ Rainier →** **6EP** 1. XUnit Test cases → Rainier → 1EP 2. Manager Layer → Rainier → 1EP 　■ Interfaces 　■ Implementation 3. Entry Point → Rainier → 2EP 　■ Implementation 4. End-to-End Testing → Rainier → 2EP ● **Vehicle Profile (VP-3)** **→ Rainier →** **6EP** 1. XUnit Test cases → Rainier → 1EP

| | | 2. Manager Layer
  → Rainier
 → 1EP
  ■ Interfaces
  ■ Implementation
3. Entry Point
  → Rainier
 → 2EP
  ■ Implementation
4. End-to-End Testing
  → Rainier
 → 2EP
● **Vehicle Profile (VP-4)**
  → Rainier → 2EP
 1. End-to-End Testing
  → Rainier
 → 2EP
● **Vehicle Profile (VP-5)**
  → Rainier → 2EP
 1. End-to-End Testing
  → Rainier
 → 2EP

Inventory Management
● **Inventory Management (IM-1)**
  → Rainier → 11EP
 8. Low Level Design
  ● Pass Scenario
   → Rainier→ 1EP
  ● Fail Scenarios
   → Rainier→ 1EP
 9. XUnit Tests
  → Rainier
 → 1EP |

Final Analysis

Do we accept the estimates for:

Project Plan/ BRD changes - EP: 6	
Jason	
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Communication Establishment LLD - EP: 9	
Jason	Yes

Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Donate Your Car (DYC-1) - EP: 9	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Donate Your Car (DYC-2) - EP: 9	
Jason	
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Vehicle Marketplace (VPM1)	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes

Gio	Yes

Car New Center (CNC1)	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Car New Center (CNC2)	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Security Task (Mailkit) 3 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Vehicle Profile (VP1) - 8 EP

Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Vehicle Profile (VP2) - 8 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Vehicle Profile (VP3) - 8 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Vehicle Profile (VP4) - 4 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes

Gio	Yes

Vehicle Profile (VP5) - 4 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Inventory Management (IM1) - 2 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Inventory Management (IM2) - 2 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Security Tasks 1 + 2 + 4 - 15 EP	
Jason	Yes

Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Configuration Setup - 8 EP	
Jason	Yes
Jesus	Yes
Vi	Yes
Rainier	Yes
Gio	Yes

Are we within our Sprint Capacity?

Work Item	New Estimate
Vehicle Profile (VP1)	8
Vehicle Profile (VP2)	8
Vehicle Profile (VP3)	8
Vehicle Profile (VP4)	4
Vehicle Profile (VP5)	4
Inventory Management (IM1)	2
Inventory Management (IM2)	2
Vehicle Marketplace (VPM1)	8
Vehicle Marketplace (VPM2)	15
Car New Center (CNC1)	3

Sequence Diagram	
Car New Center (CNC2) Sequence Diagram	3
Car New Center (CNC3) Sequence Diagram	3
UD DAR	2
CNC DAR	2
Security Task 1	3
Security Task 2	6
Security Task 3	3
Security Task 4	6
Service Log 1 and LLD	11
Configuration Setup	8
Communication Establishment LLDs	9
Communication Establishment Peer Review	5
Project/ BRD changes	6
TOTAL =	116

Will We Add More Work

No, we will not add more work due to being over capacity.