

Sprint Plan #3

Game: Space Invaders

Group: 23

User Story	Task	Member responsible for task	Task assigned to	Estimated effort per task	Priority(A - E) (A is highest)
Ex. 1: Feature 1: Multiple types of Aliens As a player I want to shoot multiple aliens, so that the game becomes more challenging.	Requirements document	Marie	Marie	30 minutes	A
	CRC cards	Marie	Marie	30 minutes	A
	UML	Jeroen	Jeroen	45 minutes	A
	Implementation	Harvey	Harvey, Jeroen & Marie	3.5 hours	A
Ex. 1: Feature 2: Multiple levels As a player I want to be able to complete multiple levels to have some more variation.	Requirements document	Jeroen	Jeroen	45 minutes	D
	CRC cards	Jeroen	Jeroen	45 minutes	D
	UML				D
	Implementation				D
Ex. 2: Singleton Logfile As a developer I only want to be able to create one logfile, so every log is in the same file.	Description	Jeroen	Jeroen	10 minutes	A
	Class diagram	Jeroen	Jeroen	30 minutes	A
	Sequence diagram	Jeroen	Jeroen	30 minutes	A
	Implementation in Logfile class	Jeroen	Jeroen	30 minutes	A

Ex. 2: Singleton Spaceship As a developer I only want to be able to create one spaceship to make sure the game contains only one spaceship	Description	Marie	Marie	10 minutes	C
	Class diagram	Marie	Marie	30 minutes	C
	Sequence diagram	Marie	Marie	30 minutes	C
	Implementation in Ship class	Marie	Marie	30 minutes	C
Ex. 2: Factory Aliens As a developer I want to use the factory design pattern to improve code quality	Description	Harvey	Harvey	15 minutes	A
	Class diagram	Harvey	Harvey	30 minutes	A
	Sequence diagram	Harvey	Harvey	1 hour	A
	Implementation	Harvey	Harvey	1 hour	A
Ex. 3: Paper	Question 1	Alma	Alma	30 minutes	A
	Question 2	Alma	Alma	30 minutes	A
	Question 3	Alma	Alma	30 minutes	A
	Question 4	Alma	Alma	30 minutes	A
Tests As a developer I want to implement JUnit tests so that I can find out about bugs and or errors.	Improve tests	Harvey	Harvey	2.5 hours	C

Shorten methods As a developer I want methods to be no longer than 40 lines, so it is more clear.	Shorten methods longer than 40 lines	Marie	Everyone	1.5 hours per person	B
Improvement menu	Show menu when player wins	Marie	Marie	1 hour	A
	Show menu when return button is pressed when game ended	Marie	Marie	1 hour	A

Availability team members:

	Tuesday	Wednesday	Thursday	Friday
Morning	Harvey Marie Alma Jeroen	Marie	Jeroen	Marie Jeroen Alma
Afternoon	Alma	Harvey	Alma	Harvey (19:30 max) Jeroen Alma
Evening	Marie Harvey Alma	Harvey Jeroen	Harvey Marie Alma Jeroen	Marie Jeroen