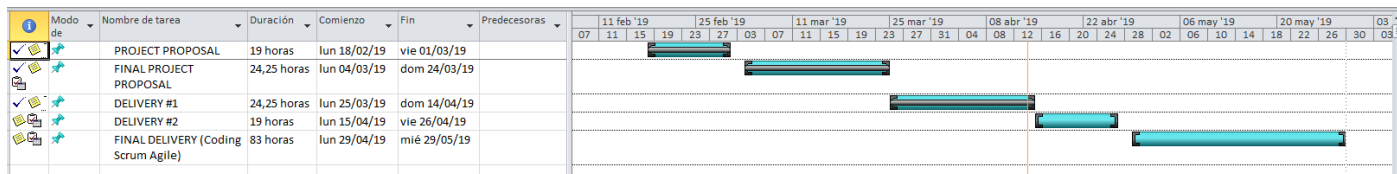


Project Planning: Gantt (classic) & Scrum (agile)

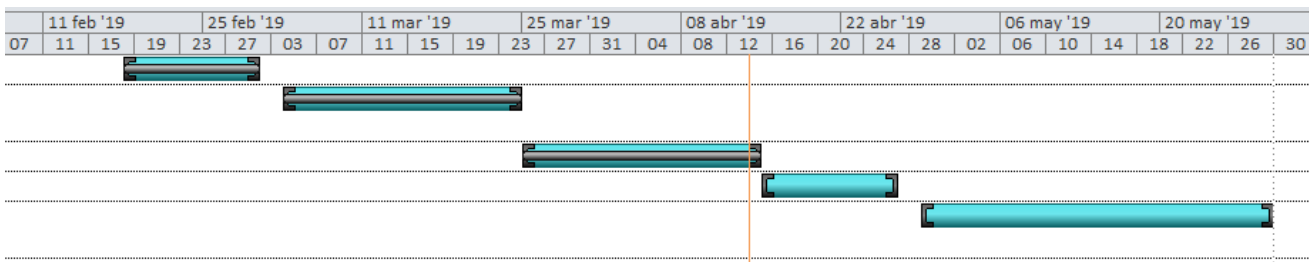
This Project Planning has been made in both methodologies: classic (Microsoft® Project) and agile (Atlassian® Jira + Scrum Poker).



Gantt - tasks

		Modo de	Nombre de tarea	Duración	Comienzo	Fin	Predecesoras
1			PROJECT PROPOSAL	19 horas	lun 18/02/19	vie 01/03/19	
2			FINAL PROJECT PROPOSAL	24,25 horas	lun 04/03/19	dom 24/03/19	
3			DELIVERY #1	24,25 horas	lun 25/03/19	dom 14/04/19	
4			DELIVERY #2	19 horas	lun 15/04/19	vie 26/04/19	
5			FINAL DELIVERY (Coding Scrum Agile)	83 horas	lun 29/04/19	mié 29/05/19	

Gantt - diagram



* We have expanded the coding task 5 in an agile methodology with Atlassian® Jira (see later in this document).

Project Planning: Gantt (classic) & Scrum (agile)

Tareas de nivel superior el dom 14/04/19 ocikitos						
Id	Modo de tarea	Nombre de tarea	Duración	Comienzo	Fin	% completado
1	Programada	PROJECT PROPOSAL	19 horas	lun 18/02/19	vie 01/03/19	100%
		Title, purposes				
		Functional and non-functional requirements				
		Mockups or wireframes				
2	Programada	FINAL PROJECT PROPOSAL	24,25 horas	lun 04/03/19	dom 24/03/19	100%
		Any changes in the initial project proposal				
3	Programada	DELIVERY #1	24,25 horas	lun 25/03/19	dom 14/04/19	100%
		Title, purposes				
		Functional and non-functional requirements				
		Use Case diagram and their textual description				
		Database (Entity-relation diagram and relational model)				
		Description of the project methodology used (Agile or classic approaching)				
		Project planning (dates, tasks/product backlog, resources/effort points, GANTT/sprints+burndown chart)				
4	Programada	DELIVERY #2	19 horas	lun 15/04/19	vie 26/04/19	0%
		Any changes in previous documents already delivered				
		Class diagram				
		Test cases and test data				
5	Programada	FINAL DELIVERY (Coding Scrum A)	83 horas	lun 29/04/19	mié 29/05/19	0%
		Final version of the application:				
		1. Final Documentation				
		2. Final Code				
		FINAL DOCUMENTATION				
		35%				
		Functional and non-functional requirements.				
		Use case diagram and their textual description				
		Test cases and test data				
		Class diagram				
		Entity relation diagram and relational model				
		Description of the methodology used (Agile or classic approaching)				
		Project planning (dates, tasks/product backlog, resources/effort points, GANTT/sprints+burndown chart)				
		Project memo: initial planning, diary log, problems and solutions, final conclusions.				
		Correspondence with initial functionalities				
		Innovation				
		Installation Guide				
		SOURCE CODE				
		40%				
		OOP: encapsulation, inheritance and polymorphism				
		Multilayered design (e.g. MVC)				
		Internal documentation				
		Visual Aspect. UX (User eXperience) and UI (User Interface) design.				
		PRESENTATION				
		25%				
		Effectiveness of presentation				
		Accurate answers. Strong knowledge of the whole application				
		Working Demo				

Project Planning: Gantt (classic) & Scrum (agile)

Gantt - calendar

The working time values of the Proven1 calendar have been used for stages 1,2,3 and 4 (without specific time for project in teaching hours) and specifications of the Proven 2 calendar for stage 5 with time in class for project.

CALENDARIO BASE:	Proven1
Día	Horas
lunes	18:15 - 18:45, 21:30 - 22:00
martes	18:15 - 18:45, 21:30 - 22:00
miércoles	18:15 - 18:45, 20:45 - 21:30
jueves	18:15 - 18:45, 21:30 - 22:00
viernes	18:15 - 18:45
sábado	No laborable
domingo	No laborable
Excepciones:	Ninguna

CALENDARIO BASE:	Proven2
Día	Horas
lunes	15:15 - 18:15, 18:45 - 21:30
martes	15:15 - 18:15
miércoles	No laborable
jueves	15:15 - 18:15, 18:45 - 21:30
viernes	15:15 - 18:15
sábado	No laborable
domingo	No laborable
Excepciones:	
Fecha	Horas
lun 29/04/19 - mar 30/04/19	No laborable
mié 01/05/19	No laborable

Gantt - costs

The project costs will be determined in the final delivery when we have evaluated all the resources directly and indirectly dedicated.

Project Planning: Gantt (classic) & Scrum (agile)

Sprints Planning

We are going to do 4 sprints, and each sprint is going to take 1 week.

First, the Product Backlog (this is, the User Stories) is created at Atlassian® Jira.

Product Backlog

Backlog 25 incidencias		Crear sprint
<input type="checkbox"/> US021. List dogs	OC-8	1
<input type="checkbox"/> US022. Filter dogs	OC-9	8
<input type="checkbox"/> US023. Add dog	OC-10	3
<input type="checkbox"/> US024. Modify dog	OC-11	5
<input type="checkbox"/> US025. Delete dog	OC-12	2
<input type="checkbox"/> US031. List samples	OC-13	1
<input type="checkbox"/> US032. Filter samples	OC-14	8
<input type="checkbox"/> US033. Add sample	OC-15	3
<input type="checkbox"/> US034. Modify sample	OC-16	5
<input type="checkbox"/> US035. Delete sample	OC-17	2
<input type="checkbox"/> US0361. Sequence sample	OC-33	5
<input type="checkbox"/> US0362. Obtain STR pattern	OC-34	13
<input type="checkbox"/> US0363. Find STR match	OC-18	21
<input type="checkbox"/> US041. List incidents	OC-19	1
<input type="checkbox"/> US042. Filter incidents	OC-20	8
<input type="checkbox"/> US043. Add incident	OC-21	3
<input type="checkbox"/> US044. Modify incident	OC-22	5
<input type="checkbox"/> US045. Delete incident	OC-23	2
<input type="checkbox"/> US051. List infraction proposals	OC-24	1
<input type="checkbox"/> US052. Filter infraction proposals	OC-25	8
<input type="checkbox"/> US053. Add infraction proposal	OC-26	3
<input type="checkbox"/> US054. Modify infraction proposal	OC-27	5
<input type="checkbox"/> US055. Delete infraction proposal	OC-28	2
<input type="checkbox"/> US056. Validate infraction proposal	OC-29	21
<input type="checkbox"/> US057. Generate Official Document	OC-35	5

Project Planning: Gantt (classic) & Scrum (agile)

Sprints

▼ **Sprint W1** 10 issues

Start sprint

...



US000. Create Database	OC-36	13
US001. Create Backend and Main App Navbar	OC-37	8
US011. List Users	OC-1	1
US013. Add User	OC-3	3
US014. Modify User	OC-4	5
US015. Delete User	OC-5	2
US016. Log In	OC-6	5
US017. Log Out	OC-7	1
US018. Register	OC-31	8
US0361. Sequence Sample	OC-33	5

+ Create issue



10 issues Estimate 51

▼ **Sprint W2** 14 issues

...

US021. List Dogs	OC-8	1
US023. Add Dog	OC-10	3
US024. Modify Dog	OC-11	5
US025. Delete Dog	OC-12	2
US031. List Samples	OC-13	1
US033. Add Sample	OC-15	3
US034. Modify Sample	OC-16	5
US035. Delete Sample	OC-17	2
US0362. Obtain STR Pattern	OC-34	13
US0363. Find STR Match	OC-18	21
US041. List Incidents	OC-19	1
US043. Add Incident	OC-21	3
US044. Modify Incident	OC-22	5
US045. Delete Incident	OC-23	2

+ Create issue



14 issues Estimate 67

Project Planning: Gantt (classic) & Scrum (agile)

▼ Sprint W3 6 issues

...

US051. List Infractions	OC-24	↑	1
US053. Add Infraction	OC-26	↑	3
US054. Modify Infraction	OC-27	↑	5
US055. Delete Infraction	OC-28	↑	2
US056. Validate Infraction	OC-29	↑	21
US057. Generate Official Document	OC-35	↑	5

+ Create issue

6 issues Estimate 37

▼ Sprint W4 6 issues

...

US012. Filter Users	OC-2	↑	8
US022. Filter Dogs	OC-9	↑	8
US032. Filter Samples	OC-14	↑	8
US042. Filter incidents	OC-20	↑	8
US052. Filter Infractions	OC-25	↑	8
US061. Receive Notifications	OC-38	↑	-



+ Create issue

6 issues Estimate 40

Effort points

Out of a total of 194 points of effort we have estimated an approximate average of 50 weekly to have finished the project.

We have estimated that the first sprint will be on 28/04/2019 at 05/05/2019, with 54 effort points and tasks assigned in the following way.

Carga de trabajo por usuario asignado. - Sprint W1			
Responsable	Incidencias	Story Points	
Sin asignar		0	0
 Alejandro Asensio	6		27
 Oscar Burgos	4		27
Total:	10		54

Cerrar

We can not evaluate the burndown chart since we have not started the first sprint. From the first sprint we will make the daily meeting (daily scrum) to follow up and expose the problems that arise. At the end of the sprint we will do the sprint review to see the finished tasks and we will do a retrospective sprint where we will evaluate the improvements for the following sprints.