Mental Gym Change Request #1 (CR1):

February 11, 2022

I. <u>Project context prior to the change request</u>
This project had only considered to include a Database for the therapists and patients involved, not to be stored in a larger system. A detailed description of the project can be found in the <u>Baseline Document</u>.

II. <u>Change Request Description</u>
"The system should report statistics and results of patients using the system to a collector server, due to a new medical regulation that says: 'All therapeutic activities should be reported and stored at the National Health System'".

III. <u>Parts of the project that will be affected by this CR</u>
Update database
Update model
Add code to controller
Add view

IV. <u>Risks that produce the CR on the Configuration Item (CI)</u>
There is a risk of not meeting on time because it takes 5 days to prepare this report, and the two programmers are busy.

V. <u>Effort required</u>
There is no trained personnel to develop the CR1. The aspect on which the team would invest most effort is cost (VI) and time (VIII).

Updating the Entity Relationship (ER) Diagram	100%	$7,000.00	$7,000.00	$0.00
Changing the user model Patient	100%	$22,400.00	$21,000.00	$1,400.00
Changing the user model Therapist	100%	$20,300.00	$20,300.00	$0.00
Changing the requirement RFRP-001	100%	$8,400.00	$7,000.00	$1,400.00
Changing the requirement RFRP-002	100%	$8,400.00	$7,000.00	$1,400.00
Changing the requirement	100%	$8,400.00	$7,000.00	$1,400.00

RFRP-003

Changing the requirement RFRP-004	100%	$8,400.00	$7,000.00	$1,400.00
Changing the requirement RFRP-005	100%	$8,400.00	$7,000.00	$1,400.00
Changing the requirement RFRP-006	100%	$8,400.00	$7,000.00	$1,400.00
Changing the requirement RFRP-007	100%	$7,000.00	$7,000.00	$0.00
Changing the requirement RFRP-008	100%	$7,000.00	$7,000.00	$0.00
Changing the requirement RFRP-009	100%	$7,000.00	$7,000.00	$0.00
Changing the requirement RFRP-010	100%	$7,000.00	$7,000.00	$0.00
Changing the requirement RFRP-011, RFRP-012 y RFRP-013	100%	$7,000.00	$7,000.00	$0.00
RFRP-031 Report of National Health System	0%	$25,200.00	$0.00	$25,200.00
Test	100%	$7,000.00	$7,000.00	$0.00
Deliver to customer	100%	$7,000.00	$7,000.00	$0.00

VI.   Approximate cost
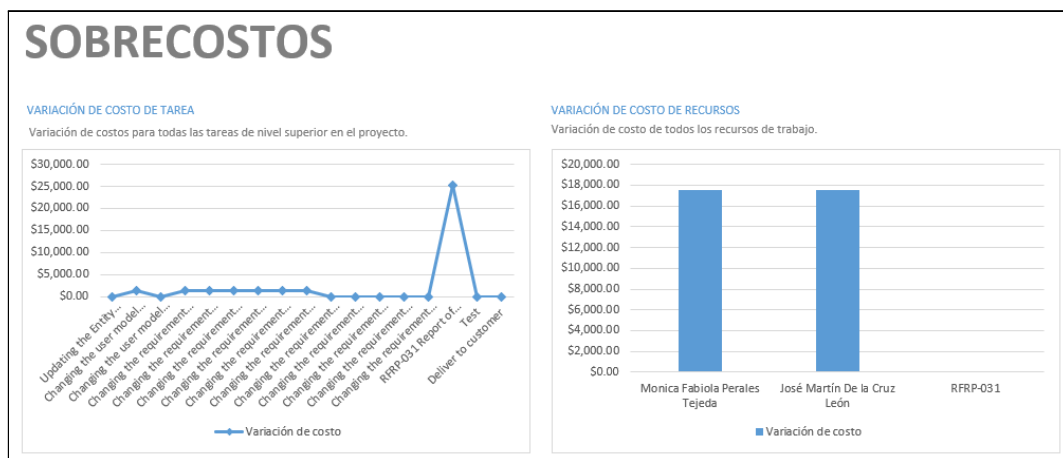
## VII.   Impact on Human Resources (HR)

There would be no impact on HR since the team's size won't change.

VIII. Approximate required time (weeks)

Reporting and storing therapeutic activities at the National Health System	
Step	Time (weeks)
☐ Comparing the National Health System (NHS) specifications with Mental Gym's attributes.	1
☐ Making the corresponding adaptations to Mental Gym.	2
☐ Linking Mental Gym's database to the NHS database.	2
☐ Uploading Mental Gym's information to the NHS.	1

IX. Scheduled date

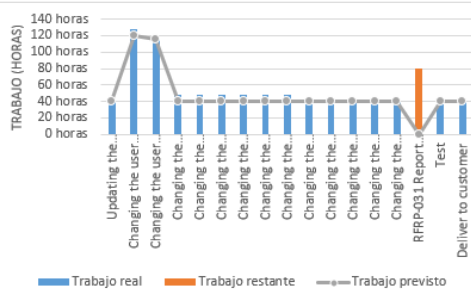| i	Modo de	Nombre de tarea	Duración	Comienzo	Fin	Predecesora	Iniciales del recurso
✓	🔁	Updating the Entity Relationship (ER) Diagram	5 días	vie 11/02/22	jue 17/02/22		MFPT,JMCL
✓	🔁	Changing the user model Patient	16 días	vie 18/02/22	vie 11/03/22	1	MFPT,JMCL
✓	🔁	Changing the user model Therapist	15 días	vie 11/03/22	jue 31/03/22	2	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-001	6 días	vie 01/04/22	vie 08/04/22	3	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-002	6 días	vie 08/04/22	vie 15/04/22	4	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-003	6 días	vie 15/04/22	vie 22/04/22	5	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-004	6 días	vie 22/04/22	vie 29/04/22	6	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-005	6 días	vie 29/04/22	vie 06/05/22	7	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-006	6 días	vie 06/05/22	vie 13/05/22	8	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-007	5 días	vie 13/05/22	jue 19/05/22	9	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-008	5 días	vie 20/05/22	jue 26/05/22	10	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-009	5 días	vie 27/05/22	jue 02/06/22	11	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-010	5 días	vie 03/06/22	jue 09/06/22	12	MFPT,JMCL
✓	🔁	Changing the requirement RFRP-011, RFRP-0	5 días	vie 10/06/22	jue 16/06/22	13	MFPT,JMCL
	📌	RFRP-031 Report of National Healt System	5 días	vie 01/07/22	jue 07/07/22	14	JMCL,MFPT
✓	🔁	Test	5 días	vie 17/06/22	jue 23/06/22	14	MFPT,JMCL
✓	🔁	Deliver to customer	5 días	vie 24/06/22	jue 30/06/22	16	MFPT,JMCL
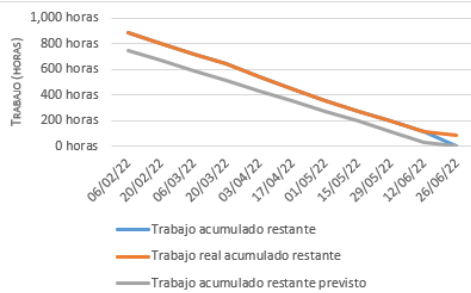
EVOLUCIÓN DEL TRABAJO

Muestra la cantidad de trabajo completado y la cantidad que ha quedado sin completar. Si la línea del trabajo acumulado restante es pronunciada, puede que el proyecto esté atrasado.

¿El trabajo previsto es cero?

Intente establecer una línea base

% trabajo completado
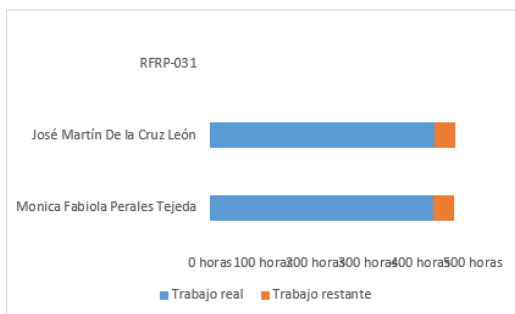
91%

Trabajo restante

80 horas

Trabajo real

852 horas

INFORMACIÓN

vie 11/02/22 - jue 07/07/22

ESTADÍSTICAS DEL TRABAJO

Muestra las estadísticas del trabajo para todas las tareas de nivel superior.

ESTADÍSTICAS DE RECURSOS

Muestra las estadísticas del trabajo para todos los recursos.
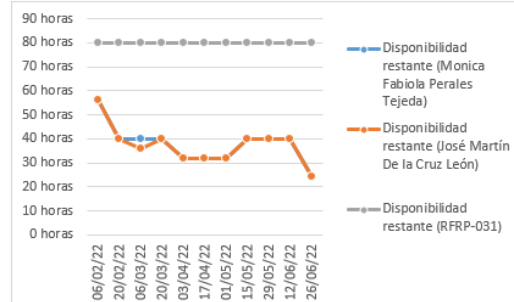
DISPONIBILIDAD RESTANTE

Muestra la disponibilidad restante de todos los recursos del trabajo.

Mental Gym Change Request #2 (CR2):

February 18, 2022

1. <u>Project context prior to the change request</u>
   This project had only considered to include a Database for the therapists and patients involved, not to be stored in a larger system. A detailed description of the project can be found in the [Baseline Document](#).

2. <u>Change Request Description</u>
   To include 4 more activities in the system.

3. <u>Parts of the project that will be affected by this CR</u>
   ☐ Controller
   ☐ Interfaces
   ☐ Database

4. <u>Risks that produce the CR on the Configuration Item (CI)</u>
   There is a risk of not meeting the established deadline on time, and the security of the information might be compromised as well if not done correctly.
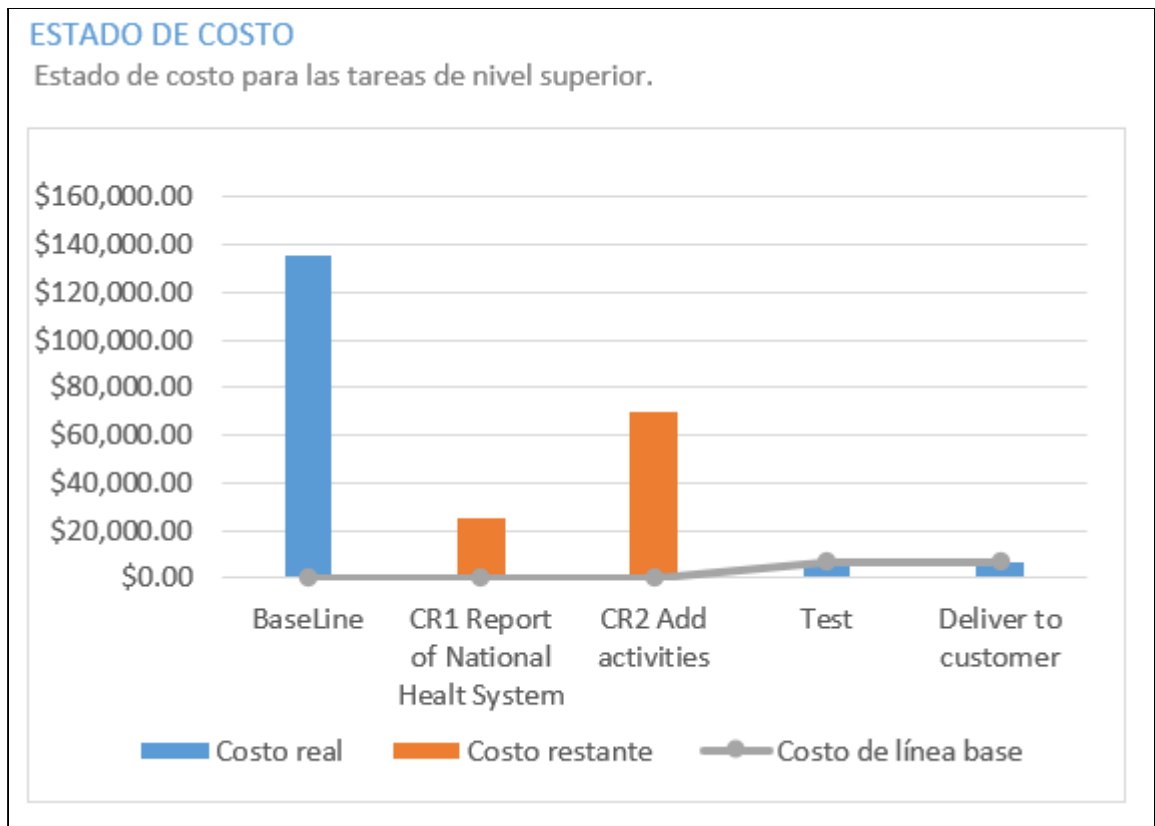
5. <u>Effort required</u>
   There is no trained personnel to develop the CR2. The aspect on which the team would invest most effort is cost (6) and time (8).

   The time required is 200 hours for the MFPT resource and 200 hours for the JMCL, giving a total of 400 hours. Which gives us an effort of 200 man/hours.
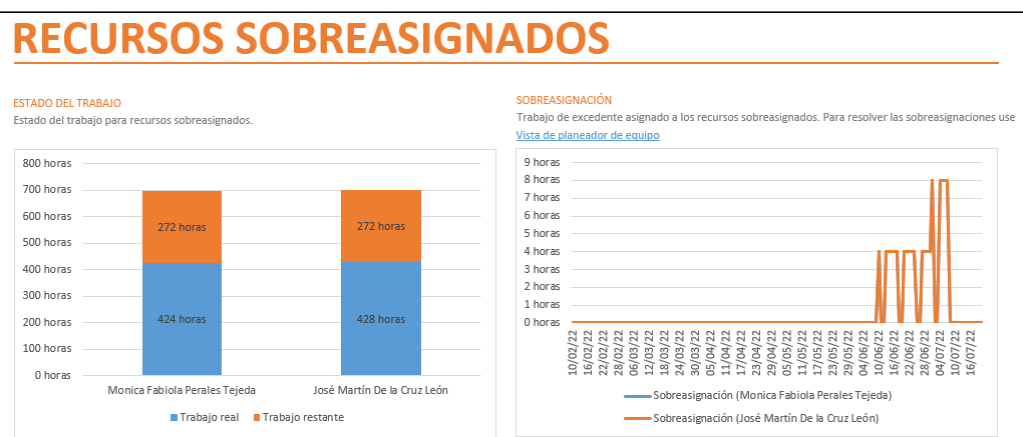
6. Approximate cost
   The approximate cost for the CR2 is $70,000 MN

7. Impact on Human Resources (HR)
   There would be no impact on HR since the team's size won't change.

8. Approximate required time

Including 4 more activities in the Mental Gym's System	
Step	Time (days)
☐ Update Controller	5
☐ Add Activity 1 RFRP-014	5
☐ Add Activity 2 RFRP-015	5
☐ Add Activity 3 RFRP-016	5
☐ Add Activity 4 RFRP-017	5

9. Scheduled date

	Modo de	Nombre de tarea	Duración	Comienzo	Fin	Pre	Iniciales del recurso	jul '22
✓		▷ BaseLine	90 días	vie 11/02/22	jue 16/06/22			100%
👤		▷ CR1 Report of National Healt System	5 días	vie 01/07/22	jue 07/07/22	15	JMCL,MFPT	
		◢ CR2 Add activities	25 días	jue 16/06/22	mié 20/07/22			0%
👤		Update Controller	5 días	jue 16/06/22	mié 22/06/22	20	JMCL,MFPT	0%
👤		Add Activity 1 RFRP-014	5 días	jue 23/06/22	mié 29/06/22	22	JMCL,MFPT	0%
👤		Add Activity 2 RFRP-015	5 días	jue 30/06/22	mié 06/07/22	23	JMCL,MFPT	0%
👤		Add Activity 3 RFRP-016	5 días	jue 07/07/22	mié 13/07/22	24	JMCL,MFPT	0%
		Add Activity 4 RFRP-017	5 días	jue 14/07/22	mié 20/07/22	25	JMCL,MFPT	0%

Mental Gym Change Request #3 (CR3):

February 18, 2022

I.   Project context prior to the change request
     The system did consider the possibility of generating reports, but in less detail: user's personal information (name, age and gender), name of the activity, time required to complete it, number of correct answers and number of mistakes. A detailed description of the project can be found in the [Baseline Document](#).

II. Change Request Description
     To "include statistics on the performance and progress for each patient, a set of patients, provide historical data of users and generate queries of results by periods of time regarding one or several activities".

III. Parts of the project that will be affected by this CR
     ☐ Controller
     ☐ Interfaces

IV. Risks that produce the CR on the Configuration Item (CI)
     There is a risk of not meeting the established deadline on time

V.   Effort required
     The aspect on which the team would invest most effort is cost (VI) and time (VIII). The time required is 16 hours for the MFPT resource and 16 hours for the JMCL, giving a total of 32 hours. Which gives us an effort of 16 man/hours.

VI. Approximate cost
     The approximate cost for the CR2 is $5,600 MN

VII. Impact on Human Resources (HR)
     There would be no impact on HR since the team's size won't change.

VIII. Approximate required time

Including statistics and historical data on the performance and progress for each patient, a set of patients and generating queries	
Step	Time (days)
☐ Designing the UI of the statistical	2

reports	
☐ Create a script that accepts parameters	2

IX. <u>Scheduled date</u>

Task name	Duration	Start	End	Human Resource
Designing the UI of the statistical reports	2 days	21/07/2022	24/07/2022	MFPT
Create a script that accepts parameters	2 days	21/07/2022	24/07/2022	JMCL