

INFORME DE ORGANIZACIÓN

Cuarto entregable



Universidad de Sevilla - Escuela Técnica Superior de Ingeniería
Informática

Diseño y Pruebas II – Curso 2022/2023

<u>Grupo</u>	<u>Repositorio</u>
C1.02.06	https://github.com/laurolmer/Acme-L3-D04.git

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<u>Fecha</u>
26/05/2023

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1. Resumen ejecutivo.

El propósito de este informe es manejar el efecto que tienen las diversas actividades necesarias para cumplir los requisitos establecidos, lo que se traduce en costos tanto económicos como de tiempo. La elaboración de este tipo de documentos es necesaria porque permite calcular los diferentes tipos de costos y compararlos con los costos reales, lo que facilita la organización del trabajo por parte de los trabajadores y brinda a los clientes información para evaluar si el servicio o el equipo cumplen con sus intereses según dichas estimaciones.

2. Tabla de revisión.

Número de revisión	Fecha de revisión	Descripción de la revisión
1	16/02/2023	<ul style="list-style-type: none">Implementación de planning report del entregable 1
2	16/03/2023	<ul style="list-style-type: none">Implementación de planning report del entregable 2
3	21/04/2023	<ul style="list-style-type: none">Implementación de planning report del entregable 3
4	26/05/2023	<ul style="list-style-type: none">Implementación de planning report del entregable 4

3. Introducción.

En el presente informe se presentará un listado que contiene todas las tareas necesarias para cumplir los requisitos de cada entregable. Cada tarea estará identificada con un título específico que luego será convertido en una rama de trabajo para su ejecución. Asimismo, se incluirá una descripción detallada de lo que se debe hacer en cada tarea, a quién se le ha asignado y su respectivo rol, así como el tiempo estimado y el tiempo real utilizado para completarla.

Por otra parte, se detallará el coste económico asociado a cada tarea, considerando criterios tales como el coste basado en el tiempo real empleado, el coste personal por rol, el precio de amortización y el coste total. De esta forma, se proporcionará una visión clara y precisa de los recursos necesarios para completar cada tarea, lo que permitirá una mejor gestión del proyecto en términos de tiempo y costos.

4. Listado de tareas.

Para que resulte más visual y agilizar el proceso de documentación, se ha optado por mostrar el listado de las tareas mediante capturas realizadas en GitHub, utilizando la extensión de Clockify para calcular el tiempo real.

1) Tarea 001.

- Información general:

The screenshot shows a GitHub issue page for 'Acme-L3-D01 #14'. The title is 'Student #2 Task 001 - Change the menu. #14'. The issue is marked as 'Closed' and was opened by 'laurolmer' 2 days ago. The description states: '[MANDATORY] Modify the anonymous menu so that it shows an option that takes the browser to the home page of your favourite web site. The title must read as follows: "(id-number); (surname), (name)", where "(id-number)" denotes your DNI, NIE, or passport number, "(surname)" denotes your surname/s, and "(name)" denotes your name/s.' The right sidebar shows the issue is assigned to 'Danguepre', has the 'enhancement' label, and a status of 'Done'. It also shows the repository 'Acme-L3-D01' and dates for 'General' (Feb 13, 2023) and 'General 2' (Feb 16, 2023). At the bottom, there are buttons for 'Reopen' and 'Comment'.

- Tiempo estimado: 15 minutos.

- Tiempo real: 00:11:42 minutos.

2) Tarea 002.

- Información general:

The screenshot shows a GitHub issue page for 'Acme-L3-D01 #18'. The title is 'Student #2 Task 002 - Create an analysis report. #18'. The issue is marked as 'Open' and was opened by 'laurolmer' 2 days ago. The description states: 'Produce an analysis report.' The right sidebar shows the issue is assigned to 'Danguepre', has the 'documentation' label, and a status of 'In Review'. It also shows the repository 'Acme-L3-D01' and dates for 'General' (Feb 13, 2023) and 'General 2' (Feb 16, 2023). At the bottom, there are buttons for 'Close issue' and 'Comment'.

- Tiempo estimado: 45 minutos.

- Tiempo real: 00:34:46 minutos.

3) Tarea 003.

- Información general:

The screenshot shows a GitHub issue page for 'Acme-L3-D01 #22'. The issue title is 'Student #2 Task 003 - Create a planning report. #22'. It was opened 2 days ago by user 'laurolmer'. The issue is currently 'Open'. The description is 'Produce a planning report.' The issue is assigned to 'Danguepre' and has a 'documentation' label. The status is 'In Progress'. There are no linked pull requests. The repository is 'Acme-L3-D01'. The issue was created on Feb 13, 2023, and last updated on Feb 16, 2023. The right sidebar shows options to 'Open in new tab', 'Copy link', 'Archive', and 'Delete from project'.

- Tiempo estimado: 1 hora, 10 minutos.

- Tiempo real: 50:28 minutos.

4) Tarea 004.

- Información general:

The screenshot shows a GitHub issue page for 'Acme-L3-D02 #26'. The issue title is 'Task 004 : I#2 - Create Student entity. #26'. It was opened 3 weeks ago by user 'laurolmer'. The issue is currently 'Closed'. The description is '4. There is a new project-specific role called student, which has the following profile data: statement (not blank, shorter than 76 characters), list of strong features (not blank, shorter than 101 characters), list of weak features (not blank, shorter than 101 characters), and an optional link with further information.' The issue is assigned to 'Danguepre' and has an 'enhancement' label. The status is 'Done'. There are no linked pull requests. The repository is 'Acme-L3-D02'. The right sidebar shows options to 'Open in new tab', 'Copy link', 'Archive', and 'Delete from project'.

- Tiempo estimado: 30 minutos.

- Tiempo real: 00:49:17minutos.

5) Tarea 005.

- Información general:

The screenshot shows a task card for 'Task 005 : I#2 - Create an Enrolment entity. #27'. The card is titled 'Acme-L3-D02 #27' and 'Task 005 : I#2 - Create an Enrolment entity. #27'. It is marked as 'Closed' and was opened by 'laurolmer' 3 weeks ago. The task description is: '5. [MANDATORY] An enrolment is a registration of a student in a course. The system must store the following data about them: a code (pattern "[A-Z]{1,3}[0-9]{0-9}[0-9]{3}", not blank, unique), a motivation (not blank, shorter than 76 characters), some goals (not blank, shorter than 101 characters), and a work time (in hours, computed from the corresponding activities)'. The card has a 'Preview' section with a rich text editor and a 'Comment' button. On the right, there is a sidebar with 'Assignees' (Danguepre), 'Labels' (enhancement), 'Milestone' (Add milestone...), 'Status' (Done), 'Linked pull requests' (No linked pull requests), and 'Repository' (Acme-L3-D02). At the bottom right, there are buttons for 'Open in new tab', 'Copy link', 'Archive', and 'Delete from project'.

- Tiempo estimado: 45 minutos.

- Tiempo real: 01:13:32 minutos.

6) Tarea 006.

- Información general:

The screenshot shows a task card for 'Task 006 : I#2 - Create a Workbook entity. #28'. The card is titled 'Acme-L3-D02 #28' and 'Task 006 : I#2 - Create a Workbook entity. #28'. It is marked as 'Closed' and was opened by 'laurolmer' 3 weeks ago. The task description is: '6. [MANDATORY] Every enrolment has a workbook that is composed of activities. The system must store the following data about them: a title (not blank, shorter than 76 characters), an abstract (not blank, shorter than 101 characters), an indication on whether it can be considered a theory activity or a hands-on activity, a time period (either in the past or the future), and an optional link with further information'. The card has a 'Preview' section with a rich text editor and a 'Comment' button. On the right, there is a sidebar with 'Assignees' (Danguepre), 'Labels' (enhancement), 'Milestone' (Add milestone...), 'Status' (Done), 'Linked pull requests' (No linked pull requests), and 'Repository' (Acme-L3-D02). At the bottom right, there are buttons for 'Open in new tab', 'Copy link', 'Archive', and 'Delete from project'.

- Tiempo estimado: 40 minutos.

- Tiempo real: 01:20:31 minutos.

7) Tarea 007.

- Información general:

The screenshot shows a task card in a dark-themed interface. At the top, it says 'Acme-L3-D02 #29' and 'Task 007 : I#2 - Basic student data. #29'. Below the title, there's a status bar with a 'Closed' icon and the text 'laurolmer opened 3 weeks ago'. The main content area has a header with the user 'laurolmer' and '3 weeks ago', and an 'Edit' button. The task description is: '7. The system must handle student dashboards with the following data: total number of theory and hands-on activities in his or her workbook; average, deviation, minimum, and maximum period of the activities in his or her workbook; average, deviation, minimum, and maximum learning time of the courses in which he or she has enrolled.' Below the description is a 'Preview' section with a rich text editor toolbar and a 'Leave a comment' field. At the bottom of the preview, it says 'Markdown is supported' and 'Paste, drop, or click to add files'. To the right of the preview, there are buttons for 'Reopen' and 'Comment'. On the far right, there's a sidebar with metadata: 'Assignees' (Danguepre), 'Labels' (enhancement), 'Milestone' (Add milestone...), 'Status' (Done), 'Linked pull requests' (No linked pull requests), and 'Repository' (Acme-L3-D02). At the bottom of the sidebar, there are links for 'Open in new tab', 'Copy link', 'Archive', and 'Delete from project'.

- Tiempo estimado: 20 minutos.

- Tiempo real: 00:24:03 minutos.

8) Tarea 008.

- Información general:

The screenshot shows a task card in a dark-themed interface. At the top, it says 'Acme-L3-D02 #30' and 'Task 008 : I#2 - Produce sample data. #30'. Below the title, there's a status bar with a 'Closed' icon and the text 'laurolmer opened 3 weeks ago'. The main content area has a header with the user 'laurolmer' and '3 weeks ago', and an 'Edit' button. The task description is: '8. [MANDATORY] Produce assorted sample data to test your application informally. The data must include two student accounts with credentials "student1/student1" and "student2/student2".' Below the description is a 'Preview' section with a rich text editor toolbar and a 'Leave a comment' field. At the bottom of the preview, it says 'Markdown is supported' and 'Paste, drop, or click to add files'. To the right of the preview, there are buttons for 'Reopen' and 'Comment'. On the far right, there's a sidebar with metadata: 'Assignees' (Danguepre), 'Labels' (enhancement), 'Milestone' (Add milestone...), 'Status' (Done), 'Linked pull requests' (No linked pull requests), and 'Repository' (Acme-L3-D02). At the bottom of the sidebar, there are links for 'Open in new tab', 'Copy link', 'Archive', and 'Delete from project'.

- Tiempo estimado: 1 hora, 30 minutos.

- Tiempo real: 03:52:13 minutos.

9) Tarea 009.

- Información general:

Acme-L3-D02 #31

Task 009 : I#2 - Produce an analysis report. #31

Open laurmler opened 3 weeks ago

laurmler 3 weeks ago

9. Produce an analysis report.

Preview

Leave a comment

Markdown is supported Paste, drop, or click to add files

Close issue Comment

Assignees Danguere

Labels documentation

Milestone Add milestone...

Status In Review

Linked pull requests No linked pull requests

Repository Acme-L3-D02

Open in new tab

Copy link

Archive

Delete from project

- Tiempo estimado: 40 minutos.
- Tiempo real: 00:36:02 minutos.

10) Tarea 010.

- Información general:

Acme-L3-D02 #32

Task 010 : I#2 - Produce a planning report. #32

Open laurmler opened 3 weeks ago

laurmler 3 weeks ago

10. Produce a planning report.

Preview

Leave a comment

Markdown is supported Paste, drop, or click to add files

Close issue Comment

Assignees Danguere

Labels documentation

Milestone Add milestone...

Status In Progress

Linked pull requests No linked pull requests

Repository Acme-L3-D02

Open in new tab

Copy link

Archive

Delete from project

- Tiempo estimado: 30 minutos.
- Tiempo real: 00:32:12 minutos

11) Tarea 011

Información general:

The screenshot shows a GitHub issue titled "Task 011 : I#2 - Anonymous operations on user accounts #31". The issue is closed and was opened by user lauroImmer on March 20. The issue content describes operations by anonymous principals on user accounts, specifically mentioning signing up to the system and becoming a student. The right sidebar shows the issue is assigned to Danguelpre, labeled as an enhancement, and has a status of "Done". The repository is Acme-L3-D03. The bottom of the issue shows a preview of the content and a comment section.

Tiempo estimado: 40 minutos

Tiempo real: 01:01:07 minutos

12) Tarea 012

Información general:

Tiempo estimado: 30 minutos

The screenshot shows a GitHub issue titled "Task 012 : I#2 - Students operations on user accounts. #32". The issue is closed and was opened by user lauroImmer on March 20. The issue content describes operations by students on user accounts, specifically mentioning updating their profiles. The right sidebar shows the issue is assigned to Danguelpre, labeled as an enhancement, and has a status of "Done". The repository is Acme-L3-D03. The bottom of the issue shows a preview of the content and a comment section.

Tiempo real: 00:17:13 minutos

13) Tarea 013

Información general:

The screenshot shows a task card in a project management tool. The card is titled 'Task 013 : I#2 - Students operations on courses. #33' and is marked as 'Closed'. It was opened by 'lauroimer' on Mar 20. The card content includes a description: '13. Operations by any students on courses:' followed by two bullet points: 'List the courses in the system that are published.' and 'Show the details of the courses in the system, including their lectures and lecturers.' The card also features a 'Preview' section with a rich text editor and a 'Comment' section. On the right side, there is a sidebar with metadata: Assignees (Danguepre), Labels (enhancement), Milestone (Add milestone...), Status (Done), Linked pull requests (No linked pull requests), and Repository (Acme-L3-D03). At the bottom right, there are action buttons: 'Open in new tab', 'Copy link', 'Copy link in project', 'Archive', and 'Delete from project'.

Tiempo estimado: 1 hora, 30 minutos

Tiempo real: 02:01:12 minutos

14) Tarea 014

- Información general:

The screenshot shows a task card in a project management tool. The card is titled 'Task 014 : I#2 - Students operations on enrolments (MANDATORY). #34' and is marked as 'Closed'. It was opened by 'lauroimer' on Mar 20. The card content includes a description: '14. [MANDATORY] Operations by students on enrolments:' followed by five bullet points: 'List their own enrolments.', 'Show the details of their enrolments.', 'Register an enrolment.', 'Update or delete an enrolment as long as it is not finalised.', and 'Finalise an enrolment. This requires providing a valid credit card; the system will only store its holder and its lower nibble.' The card also features a 'Preview' section with a rich text editor and a 'Comment' section. On the right side, there is a sidebar with metadata: Assignees (Danguepre), Labels (enhancement), Milestone (Add milestone...), Status (Done), Linked pull requests (No linked pull requests), and Repository (Acme-L3-D03). At the bottom right, there are action buttons: 'Open in new tab', 'Copy link', 'Copy link in project', 'Archive', and 'Delete from project'.

Tiempo estimado: 3 horas

Tiempo real: 03:31:24 minutos

15) Tarea 015

Información general:

Acme-L3-D03 #35

Task 015 : I#2 - Students operations on workbook (MANDATORY). #35

Closed

laurolmer opened on Mar 20

laurolmer on Mar 20

Edit

15. [MANDATORY] Operations by students on workbooks:

- List the activities in their workbooks.
- Show the details of their workbooks.
- Create a new activity in their workbooks, as long as the corresponding enrolment is finalised.
- Update or delete the activities in their workbooks, as long as the corresponding enrolment is finalised.

Assignees

Danguepre

Labels

enhancement

Milestone

Add milestone...

Status

Done

Linked pull requests

No linked pull requests

Repository

Acme-L3-D03

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Preview

H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files

Reopen

Comment

Tiempo estimado: 2 horas, 15 minutos

Tiempo real: 03:16:57 minutos

16) Tarea 016

Información general:

Acme-L3-D03 #36

Task 016 : I#2 - Students operations on dashboards. #36

Closed

laurolmer opened on Mar 20

laurolmer on Mar 20

Edit

16. Operations by students on student dashboards:

- Show their student dashboards.

Assignees

Danguepre

Labels

enhancement

Milestone

Add milestone...

Status

Done

Linked pull requests

No linked pull requests

Repository

Acme-L3-D03

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Preview

H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files

Reopen

Comment

Tiempo estimado 2 horas.

Tiempo real: 02:38:13 minutos

17) Tarea 017

Información general:

Acme-L3-D03 #37

Task 017 : I#2 - Produce an analysis report. #37

Closed

laurolmer opened on Mar 20

laurolmer on Mar 20

17. Produce an analysis report.

Preview

H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files

Reopen

Comment

Assignees

Danguepre

Labels

enhancement

Milestone

Add milestone...

Status

Done

Linked pull requests

No linked pull requests

Repository

Acme-L3-D03

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Tiempo estimado 30 minutos

Tiempo real: 00:31:03minutos

18) Tarea 018

Información general:

Acme-L3-D03 #38

Task 018 : I#2 - Produce a planning report. #38

Open

laurolmer opened on Mar 20

laurolmer on Mar 20

18. Produce a planning report.

Preview

H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files

Close issue

Comment

Assignees

Danguepre

Labels

enhancement

Milestone

Add milestone...

Status

In Progress

Linked pull requests

No linked pull requests

Repository

Acme-L3-D03

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Tiempo estimado: 30 minutos

Tiempo real: 00:36:19 minutos

19) Tarea 019

Información general:

📄 Acme-L3-D04 #16

Task 019 : I#2 - Produce a test suite. #16

Closed

laurolmer opened last month

laurolmer

last month

Edit

[MANDATORY] Produce a test suite for Requirements #14 and #15.

📄

🔍 Preview

H B I

Leave a comment

Markdown is supported

Paste, drop, or click to add files

Reopen

Comment

Assignees

Danguepre

Labels

enhancement

Milestone

Add milestone...

Status

Done

Linked pull requests

No linked pull requests

Repository

Acme-L3-D04

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Tiempo estimado: 5 horas

Tiempo real: 5:28:04

20) Tarea 020

Información general:

Acme-L3-D04 #17

Task 020 : I#2 - Produce testing data. #17

Closed

laurolmer opened last month

laurolmer

last month

Edit

[MANDATORY] Produce assorted testing data for your test suite.

Preview

H B I

Leave a comment

Markdown is supported

Paste, drop, or click to add files

Reopen

Comment

Assignees

Danguepre

Labels

enhancement

Milestone

Add milestone...

Status

Done

Linked pull requests

No linked pull requests

Repository

Acme-L3-D04

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Tiempo estimado: 3 horas

Tiempo real: 03:29:12 minutos

21) Tarea 021

Información general:

Acme-L3-D04 #18

Task 021 : I#2 - Produce an analysis report. #18

Closed laurolmer opened last month

laurolmer last month Edit

Produce an analysis report.

Preview H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files Reopen Comment

Assignees Danguepre

Labels documentation

Milestone Add milestone...

Status Done

Linked pull requests No linked pull requests

Repository Acme-L3-D04

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Tiempo estimado: 30 minutos

Tiempo real: 00:31:00 minutos

22) Tarea 022

Información general:

Acme-L3-D04 #19

Task 022 : I#2 - Produce a planning report. #19

Open laurolmer opened last month

laurolmer last month Edit

Produce a planning report.

Preview H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files Close issue Comment

Assignees Danguepre

Labels documentation

Milestone Add milestone...

Status In Progress

Linked pull requests No linked pull requests

Repository Acme-L3-D04

Open in new tab

Copy link

Copy link in project

Archive

Delete from project

Tiempo estimado: 30 minutos

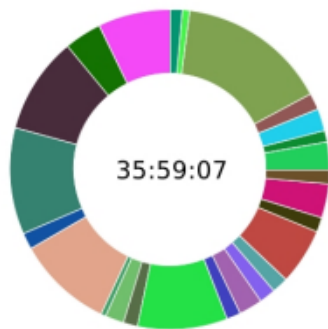
Tiempo real: 00:39:31 minutos

Informe de horas totales.

Para mostrar de una forma más visual las horas invertidas en las diferentes tareas individuales realizadas se ha tomado una captura desde la aplicación de Clockify filtrada según mi usuario dentro del workspace, y que aparezca el tiempo total invertido en cada tarea con su descripción.

D04:

Descripción



● #36 Task 016 : I#2 - Students operations on dashboards.	02:38:13	7,33%
● #28 Task 006 : I#2 - Create a Workbook entity.	01:20:31	3,73%
● #34 Task 014 : I#2 - Students operations on enrolments (MANDATORY).	03:31:24	9,79%
● #30 Task 008 : I#2 - Produce sample data.	03:52:13	10,76%

5. Presupuesto.

5.1. Costes según roles y horas.

Según los distintos roles que han sido ejercidos por mí en el proyecto, se encuentra el siguiente coste económico para cada uno de ellos:

Rol	Coste por hora
Desarrollador	20€
Tester	20€

El coste individual directo se calculará teniendo en cuenta las horas en las que se ha trabajado ejerciendo de cada rol específico:

Rol	Tiempo invertido	Horas totales	Coste
Desarrollador	26:13:07	26,22	524,37 €
Tester	9:46:00	9,77	195,33 €

5.2. Costes indirectos (amortizaciones)

Todo proyecto que incluya un sistema informático debe de amortizarse, ya que es una forma de cuantificar la pérdida de valor de ese equipo (4). En este caso, se considera un periodo mínimo de 3 años, equivalentes a unos 36 meses y se usa un equipo informático valorado en 1100€. Para calcular el porcentaje de amortización lineal, se aplicará la siguiente fórmula:

Amortización anual = Valor adquisición x coeficiente (%)

Donde el valor de adquisición serán los 4 meses que usaremos el equipo para realizar el proyecto y 36 meses que es la vida útil estimada. Resulta un coeficiente del 11%. El coste de amortización se realizaría de la siguiente forma:

Coste de amortización = Coste del equipo * porcentaje de amortización = 1100€ * 0.11% = 121€

5.3. Costes totales.

Para obtener el presupuesto total, se suman los costes directo e indirecto.

Resumen de costes individuales				
Miembro	Horas totales	Coste indiv. Bruto	Amortización	Presupuesto
danguepre	35,99	719,70 €	79,97 €	799,67 €

6. Conclusiones.

En general, se ha observado que las tareas han tardado más tiempo del previsto en completarse, aunque se puede ver que a lo largo de los planning report se han realizado mejores aproximaciones.

7. Bibliografía.

<https://www.ing.es/enararanja/finanzas-personales/conceptos-utiles/amortizacion-que-es-como-se-calcula/>