

Integración de las herramientas de “Github Education” en el aula

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Problemas de Algunos LMS (Moodle principalmente)

- Sufrimos mucho cuando la red va lenta
- Debería poder hacer múltiples cambios en local y subirlos cuando la red esté disponible
- Debería poder recuperar versiones anteriores de ficheros, tareas, cursos, etc.
- Debería permitir formas mas ricas de colaboración entre los agentes:
- entre profesores,
- entre profesores y alumnos,
- entre alumnos
- No funciona actualmente como servicio web de manera que se puedan automatizar tareas complejas
- El manejo de grupos y agrupaciones es poco flexible

Comunicados de interés para la comunidad universitaria

Incidencia en el Campus Virtual

Debido a una incidencia en la infraestructura técnica que afectó al Campus Virtual y que se produjo ayer martes día 6, el contenido modificado o incorporado a las aulas virtuales pudiera no estar disponible, por lo que le recomendamos que revise las modificaciones que haya podido realizar desde ayer hasta hoy a las 09:00h (momento en el que se detectó y subsanó el problema) y si detecta alguna discrepancia actualice de nuevo la información de su aula virtual..

Sentimos las molestias que esta incidencia ha podido ocasionarles. Una vez identificada la causa, estamos trabajando para que no se repita en el futuro.

Francisco de Sande
Vicerrector de Tecnologías de la Información y Desarrollo Digital

"FINAL".doc



FINAL.doc!



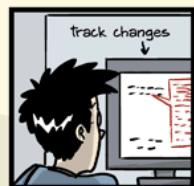
FINAL_rev.2.doc



FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments5.CORRECTIONS.doc



FINAL_rev.18.comments7.
corrections9.MORE.30.doc



FINAL_rev.22.comments49.
corrections.10.#@\$%WHYDID
ICOMETOGRAD SCHOOL????.doc

JORGE CHAM © 2012

WWW.PHDCOMICS.COM

Sistemas de control de versiones (SCV) versus sistemas de administración de la enseñanza (LMS)

¿Qué es GitHub?



**GitHub es una plataforma que permite el
alojamiento y desarrollo de proyectos**

- Provee Control de Versiones
- Mecanismos de Colaboración

Nos permite trabajar colaborativamente en los
proyectos desde cualquier sitio

Ejemplo: Elaboración de los apuntes de una asignatura

The screenshot shows a presentation slide with a sidebar on the left containing a list of topics. The main content area has a title '4. Deconstrucciones' and a section 'Uso con objetos' with sample code.

Sidebar Topics:

- Escribe para buscar
- Introduction
- Angular
- APIs de JS
- Audio y Vídeo en JS
- Babel ES6, ES7 y ES8
 - 1. Proceso de Introducción de Nuev...
 - 2. Babel
 - 3. Funciones Flecha
 - 4. Deconstrucciones**
 - 5. Operador de Dispersión
 - 6. Iteradores
 - 7. Nueva sintaxis en bucles for
 - 8. Operador bind
 - 9. Import
 - 10. Export
 - 11. Async y Await
 - 12. Integración de Babel con Gulp

Main Content Area:

4. Deconstrucciones

La asignación por deconstrucción es una expresión que nos permite extraer datos de Arrays u Objetos.

Uso con objetos

Para usarlo con objetos necesitamos indicar los nombres de las claves que queramos extraer.

```
function login (username, password) {
    // Hacer cosas
    console.log(username)
    console.log(password)
}

let argv = {
    username: 'Pepe',
    password: 'Patata'
    // Y otras cosas
}

let { username, password } = argv
```

<https://ull-esit-sytw-1617.github.io/presentaciones-todos/>

Organiza:



Patrocina:



Ejemplo: Elaboración de unos apuntes (18 alumnos colaborando)

Organización GitHub
ULL-ESIT-SYTW-1617

Nombre del repositorio:
Presentaciones-todos

Ficheros
y directorios
Del proyecto

b.com/ULL-ESIT-SYTW-1617/presentaciones-todos

ULL-ESIT-SYTW-1617 / presentaciones-todos

Code Issues 4 Pull requests 0 Projects 3 Wiki Pulse Graphs Settings

Presentaciones finales de SYTW <https://ull-esit-sytw-1617.github.io...>

sytw gitbook presentaciones ull Manage topics

204 commits 2 branches 0 releases 18 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

DanielRamosAcosta committed on GitHub Merge pull request #52 from alu0100786330/eric ... Latest commit c3adcd on 23 Dec 2016

Fichero	Descripción	Última actualización
scripts	Arreglando el script y generando el índice	6 months ago
txt	Merge pull request #52 from alu0100786330/eric	5 months ago
.babelrc	Primer Commit	6 months ago
.editorconfig	Añadido el .editorconfig y arregladas unas cosas	6 months ago
.gitignore	Eliminado el fichero temporal nohup.out	6 months ago
README.md	Puesto cómo sincronizar el fork	5 months ago
book.json	removing copy-code-button porque no funciona en gitbook site	6 months ago
gulpfile.babel.js	Actualizado el index y la fecha de la gente	6 months ago
package.json	Añadido el capítulo de Nayra	5 months ago
plugins.json	Haciendo la estructura inicial	6 months ago

README.md

Libro de las presentaciones de SYTW curso 2016/17

Book gh-pages Book Gitbook

<https://github.com/ULL-ESIT-SYTW-1617/presentaciones-todos>

Organiza:



Patrocina:



Ejemplo: Elaboración de apuntes (Estadísticas de Seguimiento)

The screenshot displays two main views of a GitHub repository. The top view shows the repository's homepage with a network graph, commit history, and pull requests. The bottom view shows the 'Issues' tab with a list of closed issues related to document preparation.

ULL-ESIT-SYTW-1617 / presentaciones-todos

Code Issues 4 Pull requests 0 Projects 3 Wiki Pulse Graphs Settings

Contributors Traffic Commits Code frequency Punch card Network Members Dependents

Owners

ULL-ESIT-SYTW-1617

tania77

Daniel Ramos Acosta

Nov 13, 2016 – May 15, 2017

Contributions to master, excluding merge commits

Contributions: Commits

Filters is:issue is:closed Labels Milestones New issue

Clear current search query, filters, and sorts

① 4 Open ② 19 Closed Author Labels Projects Milestones Assignee Sort

- Dependencia bug #29 by alu100406122 was closed on 9 Dec 2016 setup
- Audio y Vídeo en JS escribir capítulo #28 by DanielRamosAcosta was closed on 9 Dec 2016 book
- Shopify escribir capítulo #22 by DanielRamosAcosta was closed on 17 Dec 2016 book
- React escribir capítulo #21 by DanielRamosAcosta was closed on 22 Dec 2016 book
- Polymer escribir capítulo #20 by DanielRamosAcosta was closed on 27 Nov 2016 book
- Parallax v Materialize 2 escribir capítulo #19 by DanielRamosAcosta was closed on 27 Nov 2016 book

<https://github.com/ULL-ESIT-SYTW-1617/presentaciones-todos>

Organiza:



Patrocina:



GitHub Education en 6 pasos

1. Tanto profesores como alumnos deben registrarse en GitHub
2. El profesor, cada curso crea una **organización** para cada clase que imparte
3. Asociada a cada organización crea un **aula** en **GitHub Classroom**
4. Solicita a GitHub **repositorios privados** para la organización
5. Crea tareas utilizando el **aula Classroom**. Cada tarea (**asignación**) tiene un enlace asociado
6. Publica el enlace a la tarea en el Campus Virtual

Organiza:



Patrocina:



San Cristóbal de La Laguna.

/ 22 y 23 de mayo de 2017

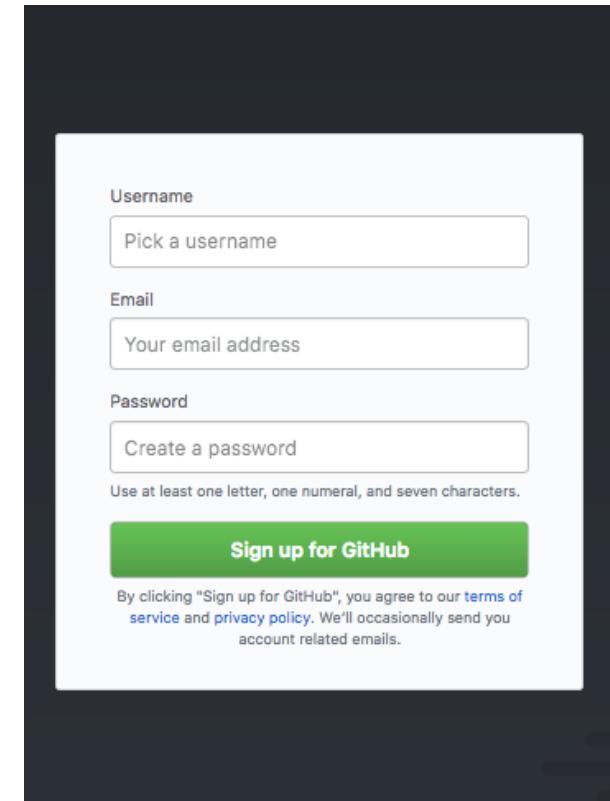


Registrarse en GitHub

<https://github.com>

Usa el email institucional

usuario@ull.edu.es



Organiza:

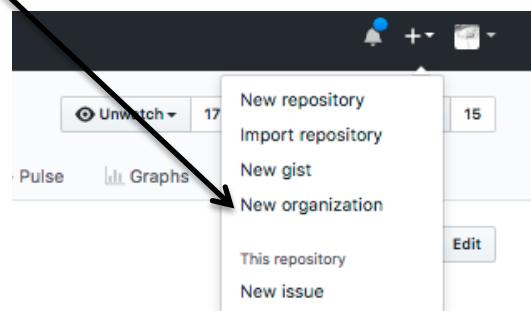


Patrocina:



Cada curso lectivo crea una organización para cada clase

Click!



Sign up your team

- | | |
|--------------------------------------|--------------------------------|
| Completed
Create personal account | Step 2:
Create organization |
|--------------------------------------|--------------------------------|

Create an organization account

Organization name

The organization account will live at <https://github.com/>

Billing email

Receipts will be sent here

Choose your plan

- | | |
|--|-----|
| <input checked="" type="radio"/> Free
Unlimited users and public repositories | \$0 |
|--|-----|

Organiza:



Patrocina:



Cada curso lectivo crea una organización para cada clase

Sign up your team



Create an organization account

Organization name

ULL-ESIT-GRADOII-ASIGNAME

The organization account will live at <https://github.com/ULL-ESIT-GRADOII-ASIGNAME>

Billing email

susana.rodriguez.leon@gmail.com

Receipts will be sent here

Choose your plan

Free \$0
Unlimited users and public repositories

Team \$9
Starts at \$25 / month which includes your first 5 users.
Unlimited public repositories
Unlimited private repositories

Business \$21
Includes everything in the Team plan, plus:
SAML based single sign-on (SSO)
99.95% Guaranteed uptime SLA
24/6 email support with < 8 hour response time

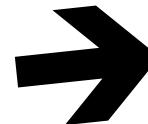
Need help getting started or on-premises hosting? Contact us.

This account is owned by a business (see the Corporate Terms of Service for details)

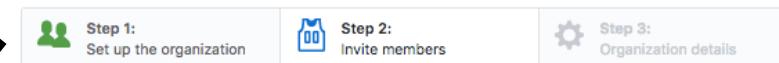
By clicking on "Create organization" below, you are agreeing to the Terms of Service and the Privacy Policy.

Create organization

Click!



Invite organization members



Search by username, full name or email address



Continue

Organization members
<input checked="" type="checkbox"/> See all repositories <small>?</small>
<input checked="" type="checkbox"/> Create repositories
<input checked="" type="checkbox"/> Organize into teams
<input checked="" type="checkbox"/> Review code
<input checked="" type="checkbox"/> Communicate via @mentions

No invites to students today:
maybe to other professors, even
you can do it at any moment

Organiza:



Patrocina:



Cada curso lectivo creamos una organización para cada clase

The screenshot shows a GitHub organization page. At the top, there's a navigation bar with icons for repository, search, pull requests, issues, and gist, and a '+' button. Below the bar, the organization's name 'ULL-ESIT-GRADOII-ASIGNAME' is displayed next to its default logo (a blue pixelated square). A callout points to this logo with the text 'Logo Generado por defecto'. To the right, another callout points to the 'People' section with the text 'El único miembro es el profesor', which lists one member: 'susanarodriguezleon'. Below the name, there are tabs for 'Repositories', 'People 1', 'Teams 0', 'Projects 0', and 'Settings'. A large callout points to the 'Repositories' tab with the text 'No tiene equipos'. In the center, a message says 'This organization has no repositories.' with a 'Create a new repository' button. Another callout points to this message with the text 'La organización ha sido creada pero no tiene repositorios'.

Logo Generado por defecto

ULL-ESIT-GRADOII-ASIGNAME

El único miembro es el profesor

No tiene equipos

This organization has no repositories.

Create a new repository

People

susanarodriguezleon

Invite someone

La organización ha sido creada pero no tiene repositorios

Organiza:



Patrocina:



Crea un aula en GitHub Classroom

The screenshot shows the GitHub Classroom landing page. At the top, there are icons for a book, a pencil, a graduation cap, two people, a calendar, and a speech bubble. Below them, the text reads 'Your course assignments on GitHub'. A subtext explains: 'GitHub Classroom automates repository creation and access control, making it easy to distribute starter code and collect assignments on GitHub.' There is a 'See how it works' button with a play icon, followed by a large blue 'Sign in with your GitHub account to get started' button. A black arrow points from the text 'Click!' to the 'Sign in' button. At the bottom, there are three sections: 'Create assignments', 'Invite students', and 'Review progress', each with a brief description.

GitHub Classroom

GitHub Education Sign in

Click!

Your course assignments on GitHub

GitHub Classroom automates repository creation and access control, making it easy to distribute starter code and collect assignments on GitHub.

See how it works

Sign in with your GitHub account to get started

Create assignments

Distribute assignments with starter code. Students work on assignments individually or in groups using public or private GitHub repositories.

Invite students

Students gain access to assignments using unique invitation URLs, eliminating the need to collect GitHub usernames in advance and manage access manually.

Review progress

Teachers and teaching assistants can browse submissions by assignment, making it easy to follow along with student progress.

<https://classroom.github.com>

Autorizar a Classroom a acceder a nuestra cuenta de GitHub

Authorize application

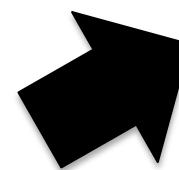
GitHub Classroom by @github would like
permission to access your account

Review permissions

	Personal user data Email addresses (read-only)
	Organization webhooks Admin access
	Repositories Public and private
	Delete repositories Ability to delete any admirable repository
	Organizations and teams Admin access

Click!

Authorize application



You're not managing any classrooms yet.

You can begin creating assignments once you have at least one classroom.

Create your first classroom

https://classroom.github.com

Organiza:



Patrocina:



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/ 22 y 23 de mayo de 2017



Crea un aula en GitHub Classroom

Select an organization for your new classroom

Click!

Oh, you don't have any organizations on your GitHub account

Please [create an organization on GitHub.com](#) and then come back.

ProTip! Don't see your organization? You need to [grant us access first](#).

<https://classroom.github.com>

Tienes que indicarle a GitHub que le permita a Classroom el acceso a la organización

8^a Jornadas de
Innovación Educativa
de la Universidad de La Laguna

Crea un aula en GitHub Classroom

Personal settings

Profile

Account

Emails

Notifications

Billing

SSH and GPG keys

Security

Blocked users

Repositories

Organizations

Saved replies

Authorized OAuth Apps

Authorized Integrations

Installed integrations

Developer settings

OAuth applications

GitHub Classroom

Last used within the last day · Developed by GitHub · <https://classroom.github.com>

Permissions

✓ Full control of orgs and teams

✓ Full control of organization hooks

✓ Delete repositories

✓ Full control of private repositories

✓ Access user email addresses (read-only)

② Applications act on your behalf to access your data based on the permissions you grant them. Organizations control which applications are allowed to access their private data. Applications you authorize will always have access to public data in your organizations. [Read about third-party access.](#)

Organization access

 ULL-ESIT-GRADOII-ASIGNAME X

[Grant access](#)

Click!

En la configuración de tu cuenta dale permiso a Classroom para acceder a la organización

<https://github.com/settings/applications>
Github > profile > Authorized OAuth Apps

Crea un aula en GitHub Classroom

The screenshot shows the GitHub Classroom interface. At the top, it says "GitHub Classroom" and "Assignments". Below that, it says "Select an organization for your classroom". A user icon for "@ULL-ESIT-..." is shown. The main text says "Nuestra aula ha sido creada" (Our classroom has been created). It also says "This organization doesn't have any assignments yet." and has a green button "Create your first assignment". Arrows point from the text "Click!" to the "Create your first assignment" button, and from the text "Nuestra aula ha sido creada" to the "Create your first assignment" button.

Ahora podemos añadir a otros profesores y crear nuevas asignaciones para los alumnos

Organiza:



Patrocina:



San Cristóbal de La Laguna.

/ 22 y 23 de mayo de 2017



Creando asignaciones en el aula

The screenshot shows the GitHub Classroom interface. At the top, it displays the classroom name "ULL-ESIT-PL-1617" and the handle "@ULL-ESIT-PL-1617". On the right, there is a "Manage classroom" button. Below this, a large box titled "New Assignment" contains two options: "Individual assignment" and "Group assignment". Each option has a description and a green "Create an individual assignment" or "Create a group assignment" button. The "Individual assignment" section states: "Each participant works individually on their own repository." The "Group assignment" section states: "Participants form teams that work together on a shared repository."

New Assignment

Individual assignment

Each participant works individually on their own repository.

Create an individual assignment

Group assignment

Participants form teams that work together on a shared repository.

Create a group assignment

Las asignaciones pueden ser individuales o en equipo

Creando una asignación en equipo

GitHub Classroom

ULL-ESIT-PL-1617
@ULL-ESIT-PL-1617

New group assignment

Your assignment title

Unlimited free private repositories

If you have not already, you may apply for unlimited free private repositories for this classroom organization [here](#).

Public
Submit assignments using public repositories. All submissions will be visible to the world.

Private
Submit assignments using private repositories. Submissions will only be visible to the submitter and organization owners.

Give students Admin permissions on their repository

Add your starter code from GitHub (optional)

Search repositories

Titulo de la tarea

Prefiero darles
A los estudiantes
Permisos de
Administración
Sobre el repositorio
Que se les creará

Repo con el código
de partida

Organiza:



Patrocina:



GitHub Classroom

ULL-ESIT-PL-1617
@ULL-ESIT-PL-1617

Manage classroom

New assignment

Assignments

Assignment Type	Description	Link	Action
Group assignment	Tareas Iniciales Group assignment for Grupos de PL 16/17	https://classroom.github.com	Copy invitation link
Group assignment	Primeros pasos en NodeJS Group assignment for Grupos de PL 16/17	https://classroom.github.com	Copy invitation link
Individual assignment	Evaluacion Tareas Iniciales Individual assignment	https://classroom.github.com	Copy invitation link
Individual assignment	Evalua Despliegue en Heroku Individual assignment	https://classroom.github.com	Copy invitation link
Group assignment	Estudiar las Rutas en ExpressJS Group assignment for Grupos de PL 16/17	https://classroom.github.com	Copy invitation link
Individual assignment	Evalua Rutas en ExpressJS Individual assignment	https://classroom.github.com	Copy invitation link

Las Asignaciones Tienen una URL asociada

```
graph LR; A[Copy invitation link] --> B[https://classroom.github.com]; C[Copy invitation link] --> D[https://classroom.github.com]; E[Copy invitation link] --> F[https://classroom.github.com]; G[Copy invitation link] --> H[https://classroom.github.com]; I[Copy invitation link] --> J[https://classroom.github.com]; K[Copy invitation link] --> L[https://classroom.github.com];
```

Publicamos la URL de la asignación en el Campus Virtual

24 de abril - 30 de abril

PEGs

Apuntes de PEG.js

- Introducción a los PEGs
- PEGJS
- La Calculadora Simple

Repositorios

- Ejemplos en PEGjs 0.10.0
- Descripción de la Práctica "Práctica: **Analizador Usando PEG.js**"
- Puede encontrar su asignación en GitHub en este enlace.

 Práctica: **Analizador Usando PEG**

 Práctica: Evaluar PEG

Actualizando Taller en 24 de abril - 30 de abril

Expandir todo

General

Nombre del taller*

Práctica: Analizador Usando PEG

Descripción

* [Descripción de la Práctica "Práctica: Analizador Usando PEG.js"](<https://casianorodriguezleon.gitbooks.io/ull-esit-1617/content/practicas/practicapegparser.html>)
* Puede encontrar su asignación en GitHub en este enlace] (<https://classroom.github.com/group-assignment-invitations/87f326e2212ec0a6f8627ca5a6c76fb2>).

Formado Markdown

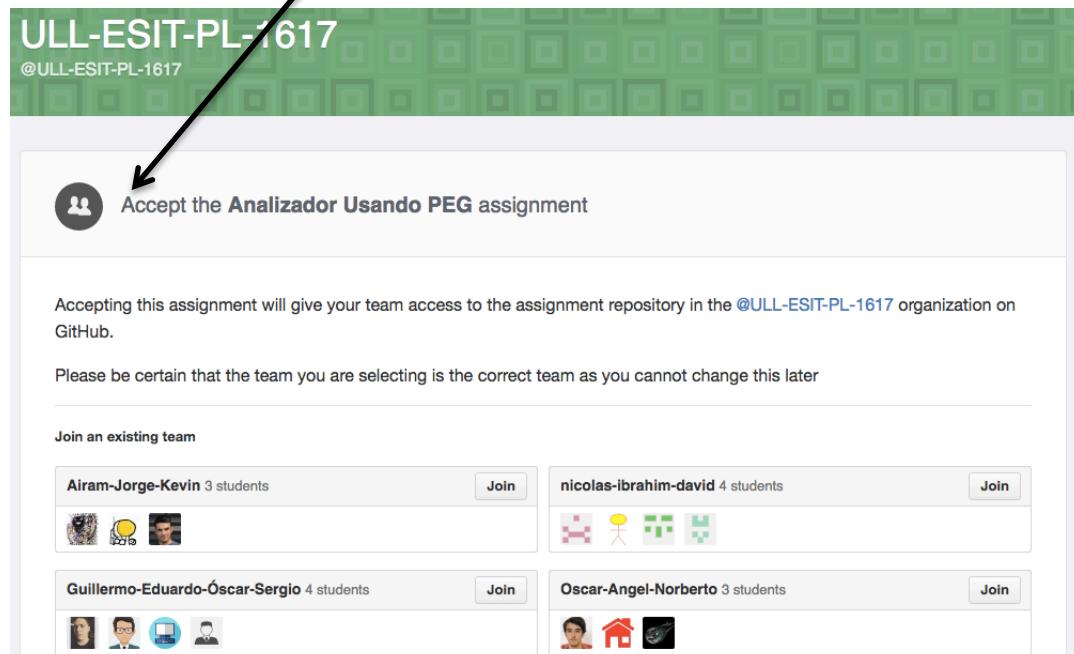
Muestra la descripción en la



Publicamos el enlace que provee Classroom
En el aula virtual de la asignatura

Vista de un alumno aceptando una asignación

- Tan pronto el alumno hace **click** en el enlace publicado en el campus virtual se le lleva a una página en la que se le pide aceptar la asignación
- Si acepta por primera vez es automáticamente añadido como miembro a la organización de la asignatura



Organiza:



Patrocina:



Alumno aceptando una asignación

- Si la asignación fue configurada como tarea de equipo y es la primera vez que esto ocurre:
 - El primer alumno crea el equipo y le da nombre
 - Los restantes miembros que lleguen después se unen a ese equipo
- Los profesores siempre pueden cambiar los equipos, añadir y/o suprimir miembros a la organización, a los equipos, etc.
- Cuando se crea un asignación es posible reutilizar un anterior conjunto de equipos o crear uno nuevo

Organiza:



Universidad
de La Laguna
Vicerrectorado de Docencia



J_E
JORNADAS DE
INNOVACIÓN
EDUCATIVA

Patrocina:



Nombre
De la
asignación

Conjunto de equipos

Group assignment settings

Link de la asignación

Give this to your students

<https://classroom.github.com/group-assignment-invitations/87f326e2212ec0a6f8627ca5a6c76fb2>

Copy invitation link

Airam-Jorge-Kevin



[ULL-ESIT-PL-1617/analizador-usando-peg-aira...](#)

nicolas-ibrahim-david



[ULL-ESIT-PL-1617/analizador-usando-peg-nic...](#)

Guillermo-Eduardo-Óscar-Sergio



[ULL-ESIT-PL-1617/analizador-usando-peg-guil...](#)

Oscar-Angel-Norberto



[ULL-ESIT-PL-1617/analizador-usando-peg-osc...](#)

victor-pamela-jesus



[ULL-ESIT-PL-1617/analizador-usando-peg-vict...](#)

Vista del profesor de una asignación

Para cada equipo se crea un repositorio que es clonado a partir del que el profesor Estableció en la asignación

Organiza:



Patrocina:



The screenshot shows the GitHub Classroom interface with the following classroom details:

Classroom	Members	Students
ULL-ESIT-TFM-test-evaluation-shell	1	0
ULL-PFPDI-GITBOOK-1617	0	1
ULL-ESIT-PL-1617	11	8
ULL-ESIT-DSI-1617	8	10
ULL-ESIT-SYTW-1617	0	14
X-1314	0	0

Vista del profesor de las aulas

Nº de asignaciones individuales y de equipo
En el aula

Podemos tener tantas aulas como necesitemos

El nombre del aula classroom
Lo hago coincidir con el nombre
De la organización

Vista del profesor de la Organización

The screenshot shows the GitHub organization dashboard for the repository **ULL-ESIT-PL-1617**. At the top, there's a navigation bar with tabs for **Repositories**, **People 46**, **Teams 28**, **Projects 1**, and **Settings**. A black arrow points from the text "Configuración de la Organización" to the **Settings** tab. Below the navigation, there's a search bar labeled **asignación** and a section titled **Equipo** with filters for **Type: All** and **Language: All**. The dashboard displays three repositories created by GitHub Classroom:

- projeto-pl-pedro-tarun-joaquin-abian** (Private)
projeto-pl-pedro-tarun-joaquin-abian created by GitHub Classroom
JavaScript Updated 5 hours ago
- evaluar-analisis-de-ambito-alu0100841565** (Private)
evaluar-analisis-de-ambito-alu0100841565 created by GitHub Classroom
JavaScript Updated 5 hours ago
- evaluar-analisis-de-ambito-alu0100894325** (Private)
evaluar-analisis-de-ambito-alu0100894325 created by GitHub Classroom
JavaScript Updated 5 hours ago

On the right side, there are sections for **Top languages** (JavaScript, HTML, Shell, CSS) and **People** (46 users). There's also a green button labeled **New** and a link to **Customize pinned repositories**.

Configuración de la Organización

Los alumnos
Trabajan
dentro
De la organización.
Todos los trabajos
Del curso en un sitio

Podemos controlar
Quien hizo qué
Con gran
detalle



Cada Alumno una web, cada Repo una web, cada Organización una web

The screenshot shows a web page with the following details:

- Header:** https://mdbgalvan.github.io
- Page Title:** Páginas WEBs para Prácticas
- Page Subtitle:** Estudio: Grado en Informática
- Page Author:** Alumna: María D. Batista Galván
- Page Footer:** ULL ETSII, Spanish and English flags
- Section:** INDICE
 - Introducción
 - Procesadores de Lenguajes – PL
 - Interfaces Inteligentes – II
 - Sistemas de Interacción Persona Computador – HCI
- Section:** • Introducción

En esta dirección se encuentran todas las prácticas que he tenido que realizar a lo largo de la carrera del "Grado de Ingeniería Informática". Concretamente, en este enlace se muestra los enlaces de todas esas prácticas. El objetivo de las prácticas es muy variado debido a que son pedidas por distintas asignaturas. Por lo que, he decidido agruparlas por asignatura.
- Section:** • Procesadores de Lenguajes
 - Práctica 1: Conversor de Temperaturas (2014/02/02)

Ejemplo de alumna: <https://mdbgalvan.github.io/> Curso 2013/2014

Academic Discounts

<https://help.github.com/articles/applying-for-an-academic-research-discount/>

← → 🔍 https://help.github.com/articles/applying-for-an-academic-research-discount/

GitHub Help

Version ▾

Teaching and learning with GitHub Education / Applying for an academic research di...

H

Applying for an academic research discount

As an academic researcher, you can apply for a free [Team plan](#) for your organization account and a free [Developer plan](#) for your personal user account.

Before applying for an individual discount, check if your learning community is already partnered with us as a GitHub Education school. For more information, see "[About GitHub Education](#)."

To apply for an academic research discount, you must:

- › Have a [personal user account](#)
- › Have a verifiable school-issued email address or share documents that prove your school affiliation

If you're applying for a free Team plan for an organization you must also have an [organization account](#), which you can set up on the free plan.

If your discount request is approved, your organization will be automatically upgraded to the Team plan.

After your discount expires, you may reapply for a discount if you're still eligible.

<https://help.github.com/articles/github-s-billing-plans/#team-plan-for-organizations>

The screenshot shows a web browser displaying the GitHub help article titled 'Billing plans for organizations'. The URL in the address bar is <https://help.github.com/articles/github-s-billing-plans/#team-plan-for-organizations>. The page content includes sections for 'Free plan for organizations' and 'Team plan for organizations', with a tip about the Team plan for educators. A large blue arrow points from the left towards the 'Tip' section.

← → C 🔒 https://help.github.com/articles/github-s-billing-plans/#team-plan-for-organizations

Billing plans for organizations

Organizations are available on the free plan and the Team and GitHub Business Cloud paid plans.

You can [upgrade or downgrade](#) your billing plan at any time.

Free plan for organizations

With the free plan, you can use [organization features](#) to collaborate on unlimited public repositories with unlimited organization membership.

Team plan for organizations

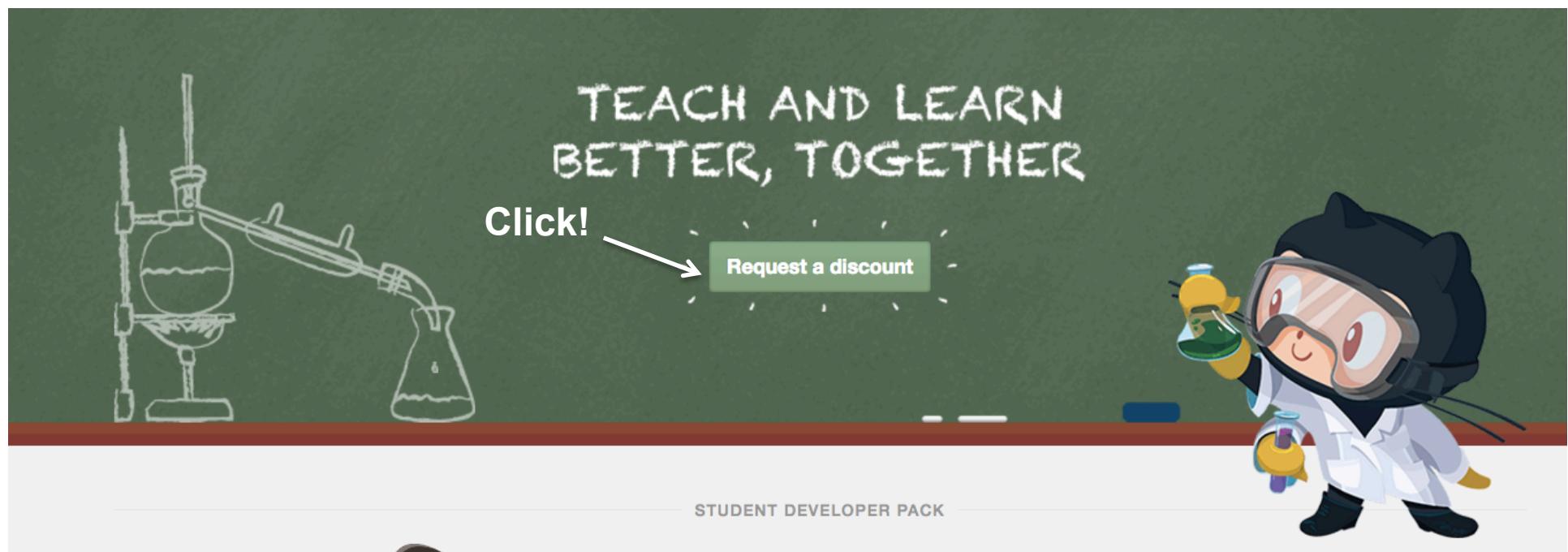
The [Team plan](#) gives you unlimited public and private repositories. You can upgrade to the Team plan for five or more paid users in your organization.

Tip: The Team plan is free for both verified teachers who use GitHub in the classroom and for academic faculty who use GitHub for non-profit academic research. For more information, see [our education page](#).

[GitHub Business Cloud for organizations](#)

Solicitamos repositorios privados a GitHub

https://education.github.com/discount_requests/new



Organiza:



Patrocina:



Request a discount

Discounted and free plans are available for educational use

https://education.github.com/discount_requests/new

Step 1

Tell us what you need

Step 2

Tell us about you

You have submitted 8 requests:

- Jan 30, 2017 for [@ULL-ESIT-DSI-1617](#) – Approved
- Jan 30, 2017 for [@ULL-ESIT-PL-1617](#) – Approved
- Dec 8, 2016 for [@ULL-ESIT-GRADOII-TFG](#) – Approved
- Nov 29, 2016 for [@ULL-PFPDI-GITBOOK-1617](#) – Approved
- Sep 6, 2016 for [@ULL-ESIT-SYTW-1617](#) – Approved
- Feb 5, 2016 for [@ULL-ESIT-GRADOII-DSI](#) – Approved
- Feb 5, 2016 for [@ULL-ESIT-GRADOII-PL](#) – Approved

Organiza:



Patrocina:



San Cristóbal de La Laguna.

/ 22 y 23 de mayo de 2017



Solicita repositorios privados

Which best describes you?

Student Teacher

Researcher Administrator/staff

Other

What are you looking to get a discount for? [?](#)

Individual account Organization account

[Next](#)

Step 1 Tell us what you need Step 2 What's the organization? Step 3 What's it for? Step 4 Tell us about you

Which GitHub organization is this for?
ULL-ESIT-GRADOII-DSI

If the organization doesn't exist yet, go [create it](#), then refresh this page. Feel free to create it on the Open Source plan, and you will be automatically upgraded if your request is approved.

Which best describes what this organization will be used for?

Classroom Student group

Research group Other

[Next](#)

Organiza:



Patrocina:



San Cristóbal de La Laguna.

/ 22 y 23 de mayo de 2017

//////////

Solicita repositorios privados

The screenshot shows a two-step process for requesting private repositories. Step 1 asks for class details (name: ULL-ESIT-GRADOII-DSI, URL: https://campusvirtual.ull.es/1617, students: 500) and Step 2 asks for academic status verification (name: Casiano Rodriguez-Leon, email: crguezl@ull.edu.es). A red arrow points from the 'Next' button in Step 1 to an incoming GitHub inbox message. The message, addressed to Casiano Rodriguez-Leon, informs him that his organization plan has been upgraded to unlimited free private repositories and includes a link to a GitHub guide for teachers.

Step 1 Step 2 Step 3 Step 4

Tell us what you need What's the organization? What's it for? Tell us about you

Tell us more about your class.

Class name

ULL-ESIT-GRADOII-DSI

Class URL

https://campusvirtual.ull.es/1617 GitHub Education <edu-noreply@github.com> para crguezl

The link to the entry in the course

inglés > español Traducir mensaje Desactivar para: inglés

How many private reposito

500

Next

GitHub Education

Welcome to the Student Developer Pack

Hey Casiano Rodriguez-Leon, we have some awesome news
We've upgraded @ULL-ESIT-PL-1617 to an organization plan with unlimited free private repositories and unlimited seats.
If you need help getting started with GitHub in your class, check out:
<https://education.github.com/guide>
and engage with other teachers in our community forum:

Name

Casiano Rodriguez-Leon

Verify academic status

Select your school-issued email address:

crguezl@ull.edu.es

If your school-issued email address isn't listed, please [add and verify it](#), then refresh this page.

Upload Validation

Drop file here or click to upload.

Please upload an image of your school ID or other proof of affiliation. Please make sure that at least one date that demonstrates your current academic status is clearly visible.

hool name

w do you plan to use GitHub in your class?

Tardan poco en contestar afirmativamente concediendo un número ilimitado de repos privados



Organiza:



Patrocina:



Hay una comunidad de usuarios que puede ayudarte
Con los problemas que surjan

GitHub Education Community

Es seguro | <https://education.github.community>

The screenshot shows the GitHub Education Community homepage. At the top, there's a green header bar with the GitHub logo and the text "GitHub Education Community". On the right side of the header are search, filter, and user icons. Below the header, a message welcomes users to the community as a supportive environment for educators. It encourages users to tell their story, ask questions, and share resources about technology education. A "New Topic" button is located in the top right of the main content area. The main content is organized into two main sections: "Categories" on the left and "Latest" topics on the right.

Category	Topics
Teachers	3 / month 1 unread
GitHub Classroom	3 / month 1 unread
Students	2 / month
Miscellaneous	1 / month

Latest Topics:

- I need your help to write an email that may bring my school to GitHub 3d ago
- GitHub Classroom
- Teachers! Introduce yourself here 466 replies
- 2d ago
- Teachers
- Github Classroom: plagiarism & cheating detection 6 replies
- 3d ago
- GitHub Classroom
- Students! Introduce yourself here 56 replies
- 3d ago
- Students
- Build your own classroom HQ 2 replies
- 7d ago
- Teachers

Ghedsh: <https://github.com/ULL-ESIT-GRADOII-TFG/ghedsh>

```
~ ➜ ghedsh
Configuration files created in /Users/carlos/.ghedsh
Username: alu0100816167
Password:
Successful login as alu0100816167
Starting ghedsh CLI

      .MMM.
      MMMMMMMMMMMMMMMMMMM
      MMMMMMMMMMMMMMMMMMM
      MMMMMMMMMMMMMMMMMMM
      MMMMMMMMMMMMMMMMMMM | GitHub Education Shell |
      MMMMMMMMMMMMMMMMMMM |_ _____
      MMMMMMMMMMMMMMMMMMM
      MMMMMMMMMMMMMMMMMMM
      MMMMM:- -:::-- - :::MM
      MM~:~ 00~:::~ 00~:~MM
.. MMMMM:..00:::+:::00::MMMMM ...
      .MM:::::_ . :::::MM.
      MMMM;:::;:;MMMM
      -MM      MMMMM
      ^ M+      MMMMM
      MMMMM MM MM MM
      MM MM MM MM
      MM MM MM MM
      .~~MM~MM~MM~MM~~.
      ~~~MM:~MM~~~MM~:MM~~~
      ~~~~~=~~~~~==~~~~~
      ~~~~~=~~~~~==~~~~~

alu0100816167> ULL-ESIT-GRADOII-TFG> cd repo ghedsh
alu0100816167> ULL-ESIT-GRADOII-TFG> ghedsh> new_issue

alu0100816167> ULL-ESIT-GRADOII-TFG> people
Fetching ULL-ESIT-GRADOII-TFG people ( ● ) ... done!
+-----+
| Github ID    | Role
+-----+
| alu0100505023 | member
| alu0100769579 | member
| alu0100816167 | member
| berkanrhdz   | member
| Cicko        | member
| crguezl     | member
| EleDiaz     | member
| jjlabrador   | member
| Losnen       | member
| sokartema   | member
```

alu0100816167> ULL-ESIT-GRADOII-TFG> invite_member_from_file /template/add_members.json

Ghedsh: <https://github.com/ULL-ESIT-GRADOII-TFG/ghedsh>

```
alu0100816167> ULL-ESIT-GRADOII-TFG> repos /^tfg/i
Fetching ULL-ESIT-GRADOII-TFG repositories (●) ... done!
tfg-berkan
tfg-berkan-software
TFG-Eleazar-18
tfg-ideas
TFG-Memoria-Eleazar-17
tfg-memorias
TFG-SyTw
TEC-ULL-CloudTDE albertoa ruiz

alu0100816167> ULL-ESIT-GRADOII-TFG> teams
Fetching ULL-ESIT-GRADOII-TFG teams (●) ... done!
2018
arreglar-memoria-gitbook
berkan
carlos-armas
chuchu
clemente
jazer
jjlabrador
TFG Cicko
TFG de Eleazar
repositories listed.
```

Ghedsh: clone

```
alu0100816167> clone /aeda/i /Desktop/clone-example
Cloning into 'AEDA_2016_Prct1',...
remote: Counting objects: 37, done.
remote: Total 37 (delta 0), reused 0 (delta 0), pack-reused 37
Unpacking objects: 100% (37/37), done.

Cloning into 'AEDA_2016_Prct2',...
remote: Counting objects: 27, done.
remote: Total 27 (delta 0), reused 0 (delta 0), pack-reused 27
Unpacking objects: 100% (27/27), done.

Cloning into 'AEDA_2016_Prct3',...
remote: Counting objects: 25, done.
remote: Total 25 (delta 0), reused 0 (delta 0), pack-reused 25
Unpacking objects: 100% (25/25), done.

Cloned into /Users/carlos/Desktop/clone-example
```

Ghedsh: new_eval

<https://ull-esit-gradoii-tfg.github.io/carlos-armas-tfg/memoria/cap3.html>

```
alu0100816167> ULL-ESIT-GRADOII-TFG> new_eval example-eval-repo /assignment-* /i  
Initialized empty Git repository in /Users/carlos/example-eval-repo/.git/  
Cloning into '/Users/carlos/example-eval-repo/assignment-example-1'...  
remote: Counting objects: 3, done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Receiving objects: 100% (3/3), done.  
Cloning into '/Users/carlos/example-eval-repo/assignment-example-2'...  
remote: Counting objects: 3, done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Receiving objects: 100% (3/3), done.  
Cloning into '/Users/carlos/example-eval-repo/assignment-example-3'...
```

The screenshot shows a GitHub repository interface. At the top, there is a commit card for "alu0100816167 First commit". Below it, a list of files and folders is displayed:

- assignment-example-1 @ 912c98b
- assignment-example-2 @ 18947e7
- assignment-example-3 @ 84b7adc
- .gitmodules

Ghedsh: foreach

<https://ull-esit-gradoii-tfg.github.io/carlos-armas-tfg/memoria/cap3.html>

```
alu0100816167> ULL-ESIT-GRADOII-TFG> example-eval-repo> foreach npm install
Entering 'assignment-example-1'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN hello_browser_npm@1.0.0 No repository field.

audited 3 packages in 1.59s
found 0 vulnerabilities

Entering 'assignment-example-2'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN hello_browser_npm@1.0.0 No description
npm WARN hello_browser_npm@1.0.0 No repository field.

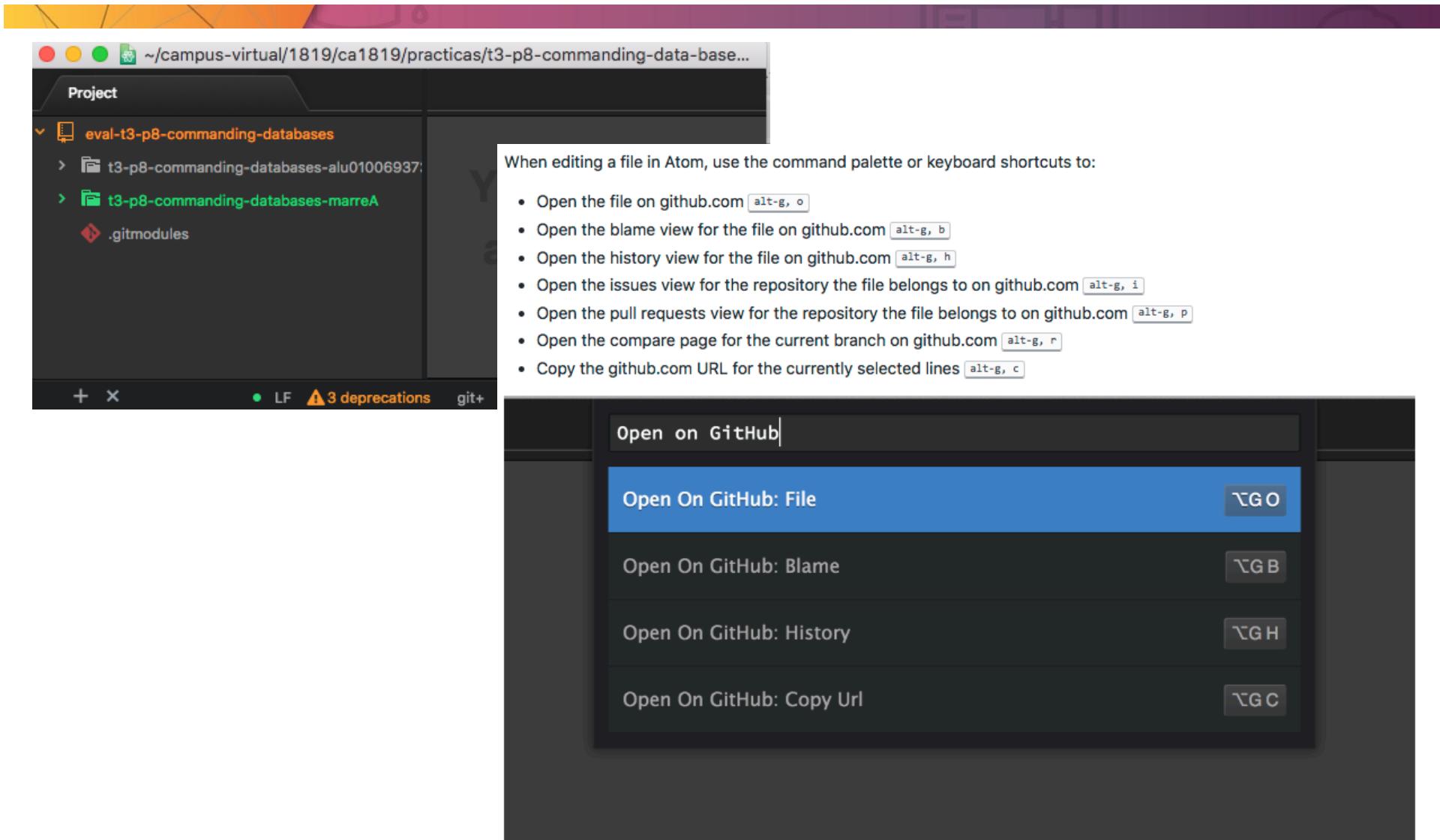
audited 3 packages in 1.777s
found 0 vulnerabilities

Entering 'assignment-example-3'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN hello_browser_npm@1.0.0 No description
npm WARN hello_browser_npm@1.0.0 No repository field.

audited 3 packages in 1.381s
found 0 vulnerabilities
```

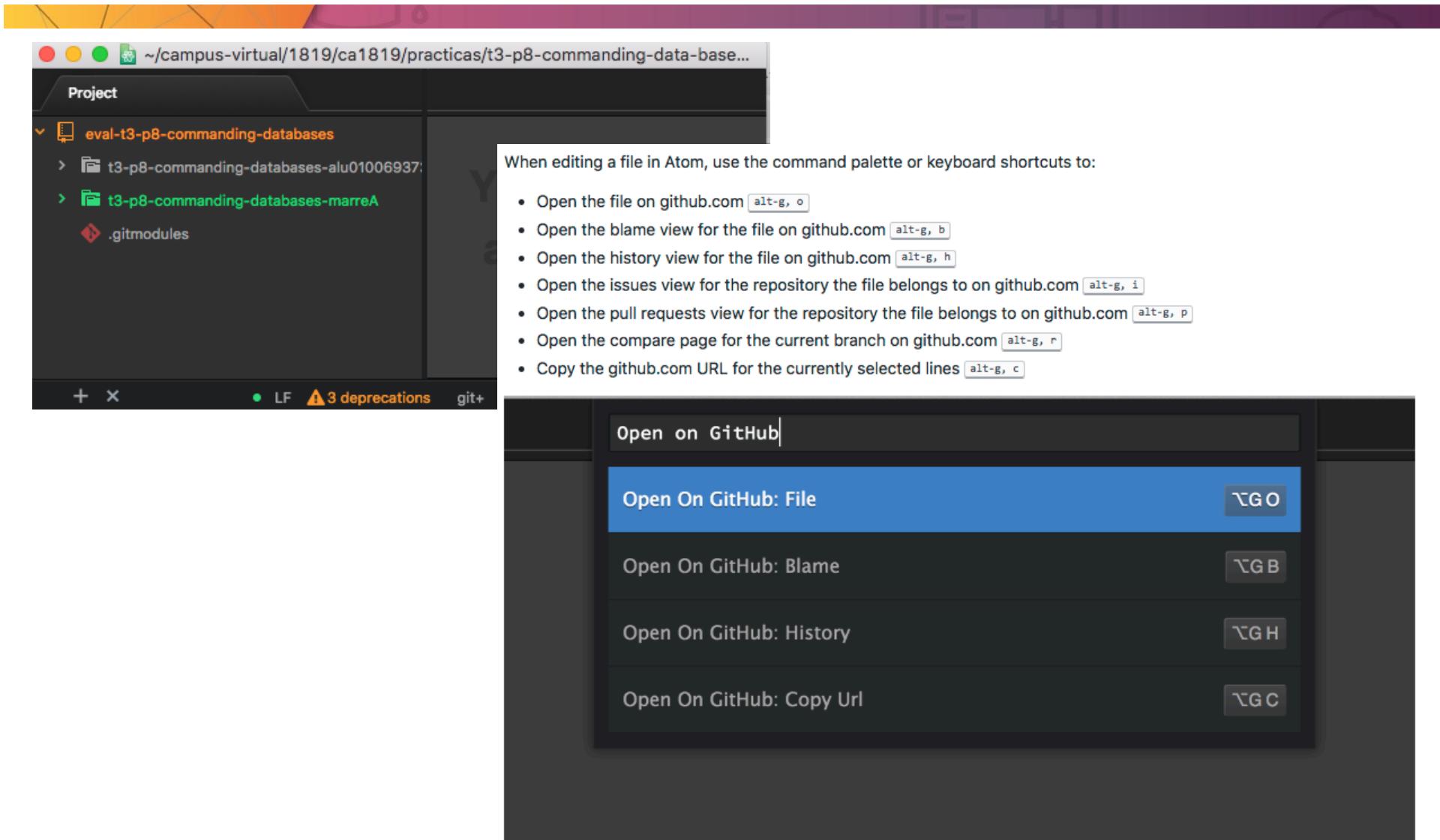
Atom plugin: open-on-github

<https://ull-esit-gradoii-tfg.github.io/carlos-armas-tfg/memoria/cap3.html>



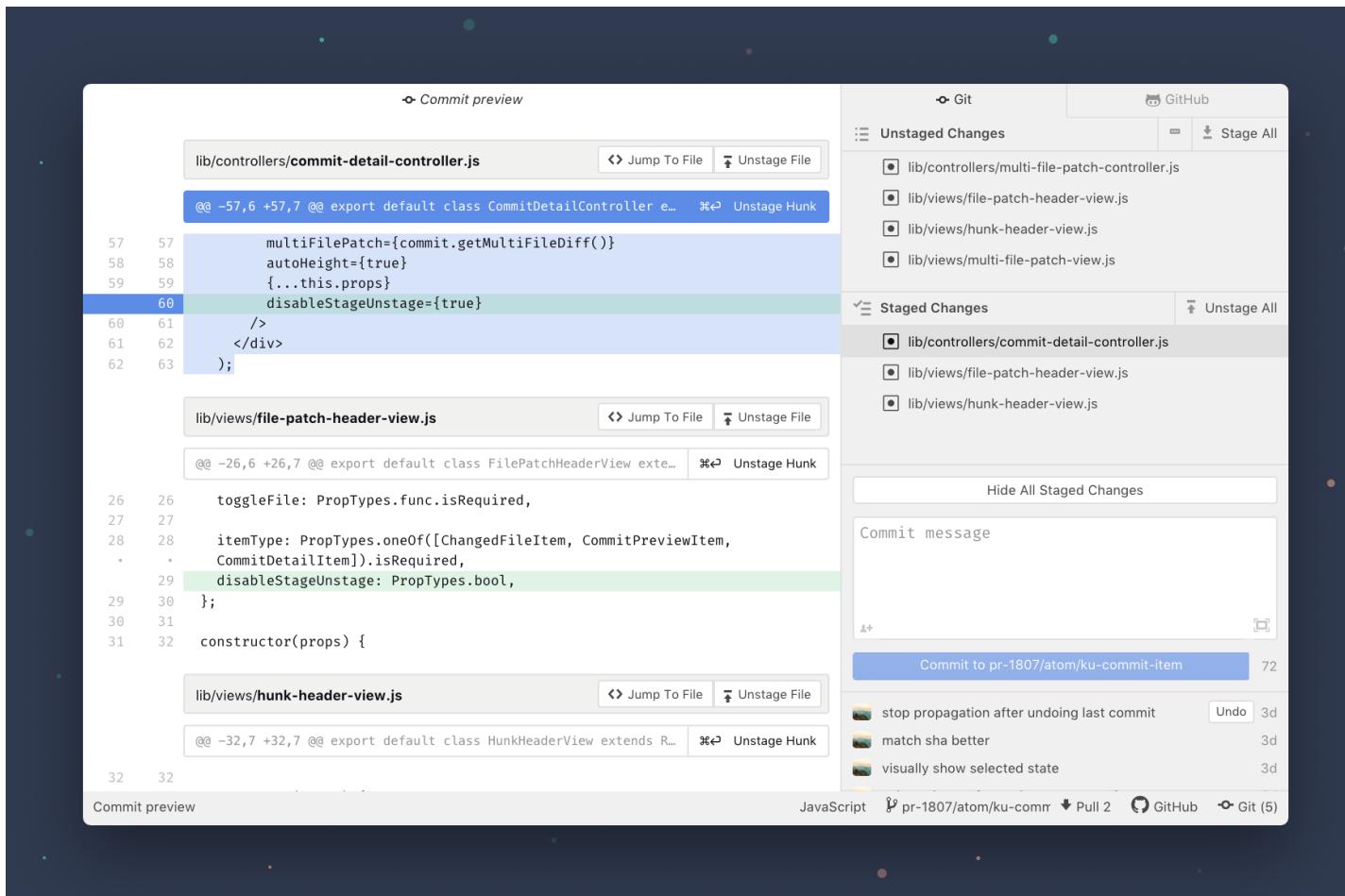
Atom plugin: open-on-github

<https://github.com/atom/open-on-github>



Atom plugin: github

<https://github.com/atom/github>



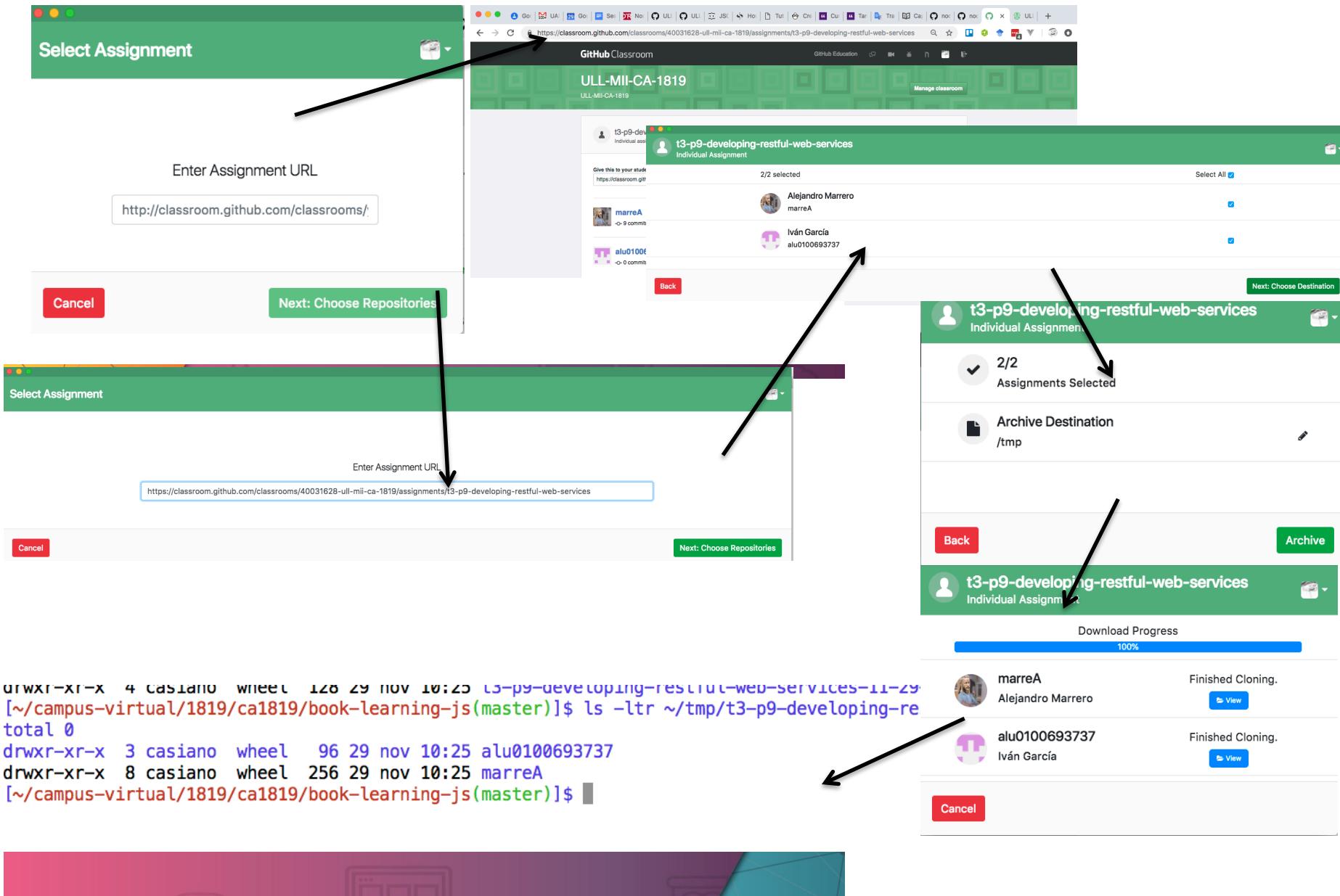
Desktop app: <https://github.com/ULL-ESIT-GRADOII-TFG/tfg-berkan-software>

The image displays four windows from the AutoCheck desktop application:

- Organizations**: Shows a list of organizations with icons and names: etsl2, Lenguajes-Paradigmas-Programacion-ULL, ULL-ESIT-GRADO-SYTW-1314, etslull, SYTW, and ULL-ESIT-GRADOII-DSI.
- Repositories**: Shows a list of repositories under organization 'egg-2' with details like commit ID, author, and build status (e.g., egg-2-alu0100973914, build passing).
- Assignments**: Shows a list of assignments with icons and names: egg-4 and egg-2.
- Travis CI Build Log**: A detailed log for the repository 'ULL-ESIT-PL-1718 / egg-2-alu0100973914'. It shows the current branch (master), modified files (README.md), commits (7985b36, 27f43b8..7985b36), branches (master), author (Daute Rodriguez Rodriguez), and Node.js version (node). The log also includes sections for Worker information, Build system information, and Network availability confirmed.

Arrows point from the 'Organizations' and 'Assignments' windows towards the 'Repositories' window, indicating their relationship to the main application's core functionality.

Desktop app: <https://github.com/education/classroom-assistant>



TFG 18/19. Atom Plugin: GitHub Classroom 1

The screenshot shows the Atom code editor interface. On the left, the project tree displays several repositories under the root folder 'eval-t3-p8-commanding-databases'. The main editor area shows the contents of the 'index.js' file, which contains code related to 'Commanding databases' and 'Tecnologías empleadas' like Node.js, Gulp.js, Mocha.js, Chai.js, and Asciidoctor. The right panel is titled 'Classrooms' and lists seven classroom instances with their names, descriptions, and member counts.

Classroom	Description	Members
ULL-DSI-1516	@ULL-ESIT-GRADOII-DSI	11
ULL-ESIT-GRADOII-PL-15-16	@ULL-ESIT-GRADOII-PL	9
ULL-ETSII-GRADO-SYTW-1314	@ULL-ETSII-GRADO-SYTW-1314	0
ULL-ESIT-SYTW-1617	@ULL-ESIT-SYTW-1617	14
ULL-ESIT-DSI-1617	@ULL-ESIT-DSI-1617	11
ULL-ESIT-PL-1617	@ULL-ESIT-PL-1617	8
ULL-ESIT-LPP-1617	@ULL-ESIT-LPP-1617	3

TFG Atom Plugin: GitHub Classroom 2

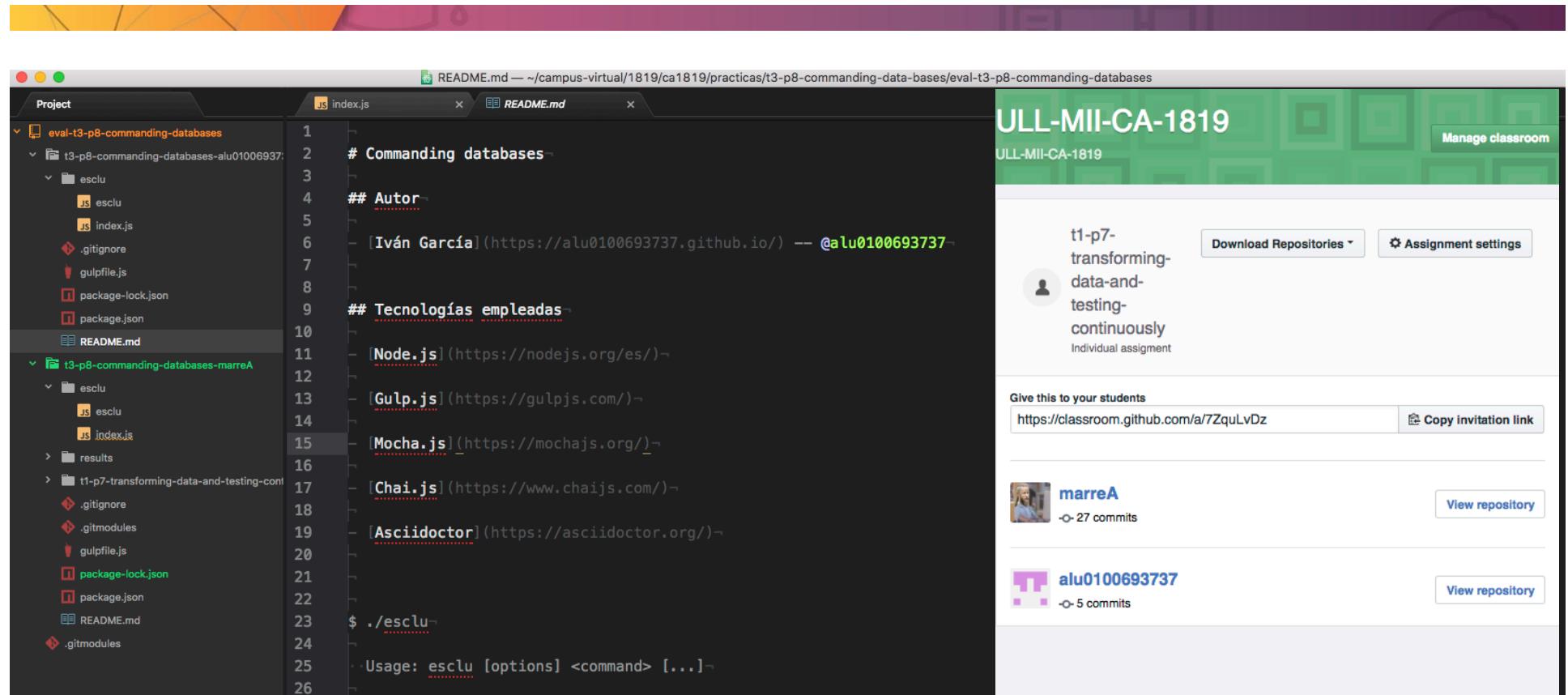
The screenshot shows a desktop environment with two main windows. On the left is an Atom code editor window titled 'index.js' with the following content:

```
1  # Commanding databases
2
3
4  ## Autor
5
6  [Iván García](https://alu0100693737.github.io/) -- @alu0100693737
7
8
9  ## Tecnologías empleadas
10
11 [Node.js](https://nodejs.org/es/)
12
13 [Gulp.js](https://gulpjs.com/)
14
15 [Mocha.js](https://mochajs.org/)
16
17 [Chai.js](https://www.chaijs.com/)
18
19 [Asciidoctor](https://asciidoctor.org/)
20
21
22
23 $ ./esclu
24
25 Usage: esclu [options] <command> [...]
26
```

The right window is a 'GitHub Classroom' interface for the course 'ULL-MII-CA-1819'. It displays a list of assignments:

- 01-high-order-function (Individual assignment) - https://classroom. [Copy invitation link]
- 05 NJSTRW CRM (Individual assignment) - https://classroom. [Copy invitation link]
- Networking with Sockets (Group assignment for Teams formed on October 2nd, 2018) - https://classroom. [Copy invitation link]
- OOP: The Secret Life of Objects. Lying Out a Table (Group assignment for Teams formed on October 2nd, 2018) - https://classroom. [Copy invitation link]
- Wrangling the File System (Node JS the Right Way) (Group assignment for Teams formed on October 2nd, 2018) - https://classroom. [Copy invitation link]
- t1-p6-modulos-npm (Individual assignment) - https://classroom. [Copy invitation link]
- t1-p7-transforming-data-and-testing-continuously (Individual assignment) - https://classroom. [Copy invitation link]

TFG Atom Plugin: GitHub Classroom 3



The screenshot shows the Atom code editor interface with GitHub Classroom integration. On the left, the project tree displays two repositories: 'eval-t3-p8-commanding-databases' and 't3-p8-commanding-databases-alu010069373'. The right pane shows the GitHub Classroom interface for the 'ULL-MII-CA-1819' class.

Atom Editor Project Tree:

- eval-t3-p8-commanding-databases
 - t3-p8-commanding-databases-alu010069373
 - esclu
 - index.js
 - README.md
 - .gitignore
 - gulpfile.js
 - package-lock.json
 - package.json
- t3-p8-commanding-databases-marreA
 - esclu
 - index.js
 - .gitignore
 - .gitmodules
 - gulpfile.js
 - package-lock.json
 - package.json
 - results
 - t1-p7-transforming-data-and-testing-cont
 - .gitignore
 - .gitmodules
 - gulpfile.js
 - package-lock.json
 - package.json
 - README.md

Conclusiones, Necesidades, Mejoras



- Necesidad de Integración de GitHub, Classroom, etc. con las plataformas educativas existentes como Moodle (Véase [ghedsh](#))
 - El desarrollo de herramientas que permitan un mejor aprovechamiento e integración de servicios como los que provee GitHub en el contexto de la enseñanza (por ejemplo uso de los servicios de integración continua como Travis para los procesos de evaluación del alumno)
 - Conveniencia de difundir la formación en las metodologías, técnicas y herramientas asociadas al control de versiones y a los servicios de gestión de repositorios entre la comunidad educativa
 - Fomentar el desarrollo de buenas prácticas para la mejor explotación de este tipo de herramientas (mejores flujos de trabajo)
- 

Referencias/Enlaces

1. [CURSO OCW ULL: INTEGRACIÓN DE LAS HERRAMIENTAS "GITHUB EDUCATION" EN EL AULA](#)
2. [Vídeo preparando una tutoría con un alumno usando git, github \(YouTube\)](#)
3. [GitHub ClassRoom: Instrucciones](#)
4. [GitHub Classroom — Getting Started \(Video\)](#)
5. [GitHub Classroom — How to set up individual assignments \(Video\)](#)
6. [GitHub Classroom — How to set up group assignments \(Video\)](#)
7. [Using GitHub in the Classroom – a Collaborative Learning Experience \(2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging\)](#)
8. [The Emergence of GitHub as a Collaborative Platform for Education \(Motivation and Dynamics of the Open Classroom CSCW 2015, March 14-18, 2015, Vancouver, BC, Canada\)](#)
9. [GitHub in the classroom: not just for group projects \(Journal of Computing Sciences in Colleges. Volume 28 Issue 4, April 2013\)](#)
10. [GitHub como herramienta docente \(Actas de las XXI Jornadas de la Enseñanza Universitaria de la Informática. 2015\)](#)
11. [A GitHub Garage for a Digital Humanities Course \(New Directions for Computing Education: Embedding Computing Across Disciplines, 2017, Springer\)](#)
12. [Towards a Collaborative Learning Platform: The Use of GitHub in Computer Science and Software Engineering Courses \(Joseph Feliciano, Master Thesis. 2015. University of Victoria\)](#)

¡Muchas gracias!

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