

The background is a dark blue-grey color. It is decorated with various geometric shapes and patterns in teal and white. These include circles of different sizes, some with dotted interiors, hexagons, triangles, and lines. There are also small teal dots and palm tree icons. The overall style is modern and minimalist.

Banana Gits Project

Final Increment

Team Members



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César Luna Tun





About the Project



Project Summary

Our project consists of improving the implementation of the Test Runner project in such a way that it is friendlier for the first semester students of the UADY Faculty of Mathematics, specifically those belonging to the degree in Software Engineering who are studying the subject of structured programming.



Importance

Help students without knowledge in Git and GitHub to use the Test Runner tool, allowing them a more friendly work environment to their previous knowledge.



Primary Users:

The students and teachers belonging to
the structured programming group of
Dr. Edgar Cambranes



Potential Users:

The students and teachers of all structured
programming groups belonging to the UADY
Software Engineering Degree.



Requirements



01.

Login

The system will be able to identify the students in order to monitor their exercises.

02.

Download exercise folder

The system will allow the student to download the exercises assigned by the teacher.



03.

Evaluate exercises button

The system will auto-evaluate the exercise and display the result of the exercise at the push of a button.

04.

Send exercise button

The system will send the exercise and its information (date, number of attempts) at the push of a button.

Use Cases Specification

RF-0001	Login		
Version	11/10/2022		
Precondition	The student must have the extension installed and make use of it.		
Description	The program will be able to identify the students in order to monitor their exercises.		
Regular Sequence	Step	Action	
	1	The user enters to Visual Studio Code.	
	2	The system asks to login.	
	3	User enters email and password	
	4	The system validates the data	
	5	The system grants access	
Postcondition	The student enters the functions of the system.		
Exceptions	Step	Action	
	2	If the user does not have an account	
		E.1	The system asks for name, email, password and confirm password
	1 - 5	If you do not belong to the institution	
		E.2	The use case is cancelled.
Comments	None		

Login

RF-0002	Download exercise folder		
Version	10/10/2022		
Precondition	The exercises must be loaded in the program and the student registered in the system.		
Description	The student will be able to download the exercises assigned by the teacher.		
Regular Sequence	Step	Action	
	1	The user triggers the button for download the exercises.	
	2	Exercises are displayed on the user interface	
Postcondition	Exercises are reflected in the student interface		
Exceptions	Step	Action	
	3	Re-download the exercises.	
		E.1	If this happens, it will not be displayed on the interface.
Comments	None		

Download
exercise folder



Use Cases Specification

RF-0003	Evaluate exercises button		
Version	12/10/2022		
Precondition	The student must have modified the exercise solution file.		
Description	The program will auto-evaluate the exercise and display the result of the exercise the push of a button.		
Regular Sequence	Step	Action	
	1	The student presses the button.	
	2	The system calls the function Test Runner.	
	3	The system self-assesses the exercise.	
	4	The system displays the result.	
Postcondition	The student obtains the result of the self-assessment		
Exceptions	Step	Action	
	2	If the solution file is not found	
		E.1	The student is told that the file is missing, and the use case is canceled
	2 - 4	If you have a wrong name	
E.2		The student is told that the file should be name "Solution" and the use case is aborted.	
Comments	None		

Evaluate
exercises button

RF-0004	Send exercise button		
Version	12/10/2022		
Precondition	The student must have done and evaluated the exercise at least once.		
Description	The program will send the exercise and its information (date, number of attempts) at the push of a button.		
Regular Sequence	Step	Action	
	1	The student presses the button.	
	2	The system asks for a confirmation.	
	3	The student confirms.	
	4	The system validates the data.	
	5	The exercise is sent.	
Postcondition	The exercise and its information is sent and the data is saved.		
Exceptions	Step	Action	
	1	If the exercise has not been evaluated	
		E.1	The student is instructed to first evaluate the exercise and the use case is cancelled.
	1 - 5	If there is no internet connection	
E.2		It is indicated that a connection is needed to be able to send the exercise and the use case is cancelled.	
Comments	None		

Send exercise
button

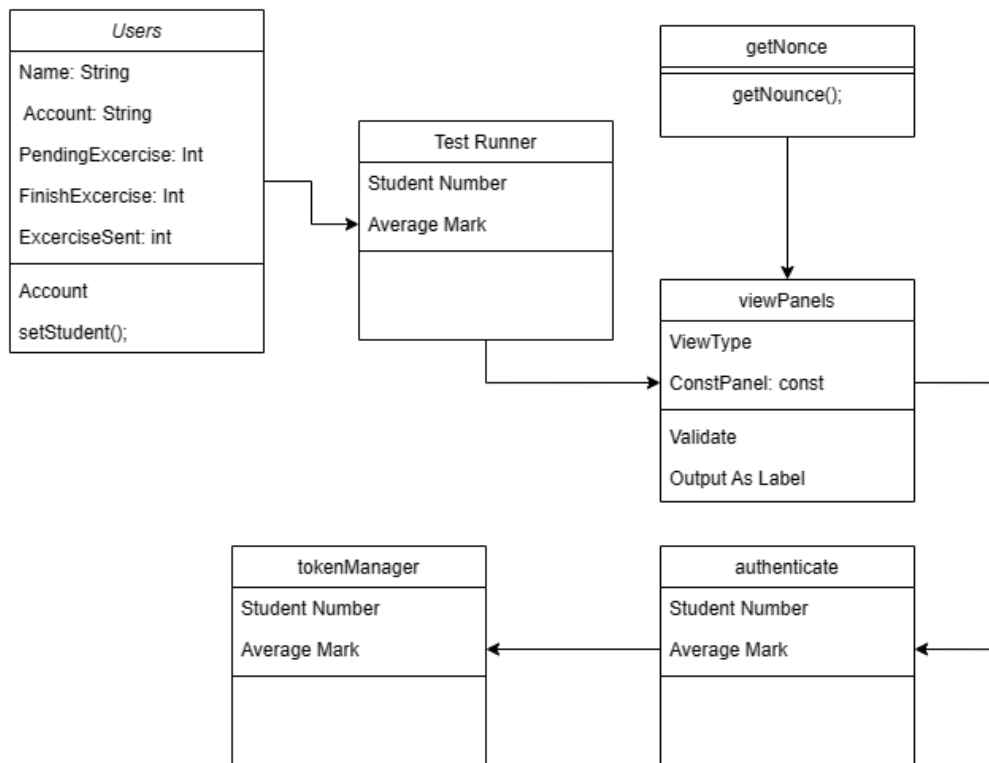


Use Cases Specification

RF-0005	Store exercise information		
Version	10/10/2022		
Precondition	The exercise must have been sent.		
Description	The system is able to collect the exercises sent, as well as their date, number of attempts and the result of the self-assessment.		
Regular Sequence	Step	Action	
	1	The user answers the exercise.	
	2	The system records the time, how many attempts you have made and your result.	
	3	The user submits his exercise.	
	4	The system indicates that it was sent successfully	
Postcondition	The exercise is received in the program database		
Exceptions	Step	Action	
	2	In case of Resend	
		E.1	In case it has not been sent successfully, it is stored again on a server
Comments	None		

Store exercise information

Class Diagram

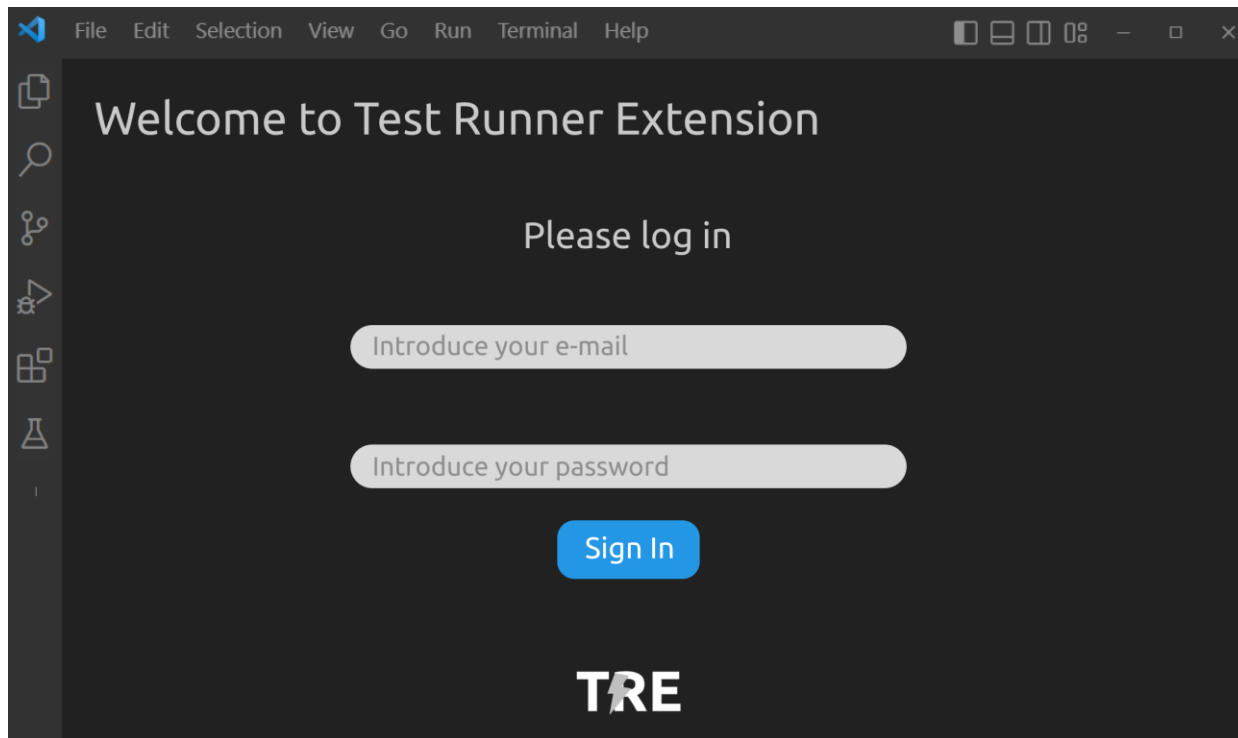




Interface Sketch



Login

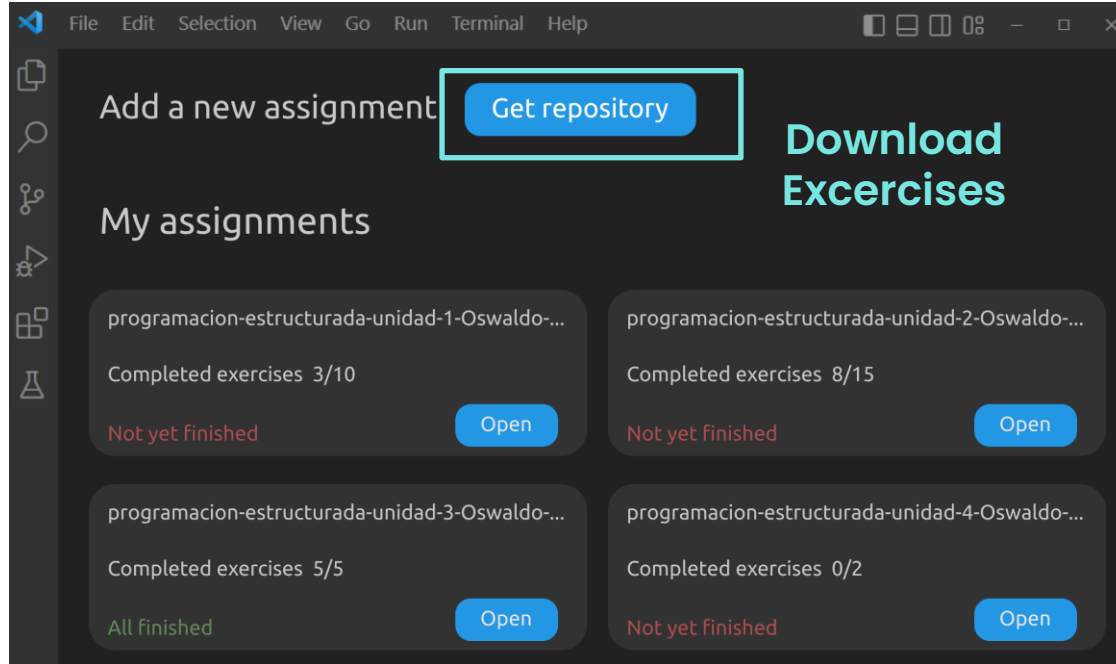


The image shows a screenshot of a web application titled "Welcome to Test Runner Extension" displayed within a Visual Studio Code window. The window's title bar includes the VS Code logo and menu items: File, Edit, Selection, View, Go, Run, Terminal, and Help. On the left side of the window, there is a vertical sidebar with icons for Explorer, Search, Source Control, Run and Debug, Extensions, and Testing. The main content area has a dark background and contains the following elements:

- Welcome to Test Runner Extension**: A large heading at the top.
- Please log in**: A prompt centered below the heading.
- Introduce your e-mail**: A text input field.
- Introduce your password**: A text input field.
- Sign In**: A blue button located below the password field.
- TRE**: The Test Runner Extension logo at the bottom.



Login



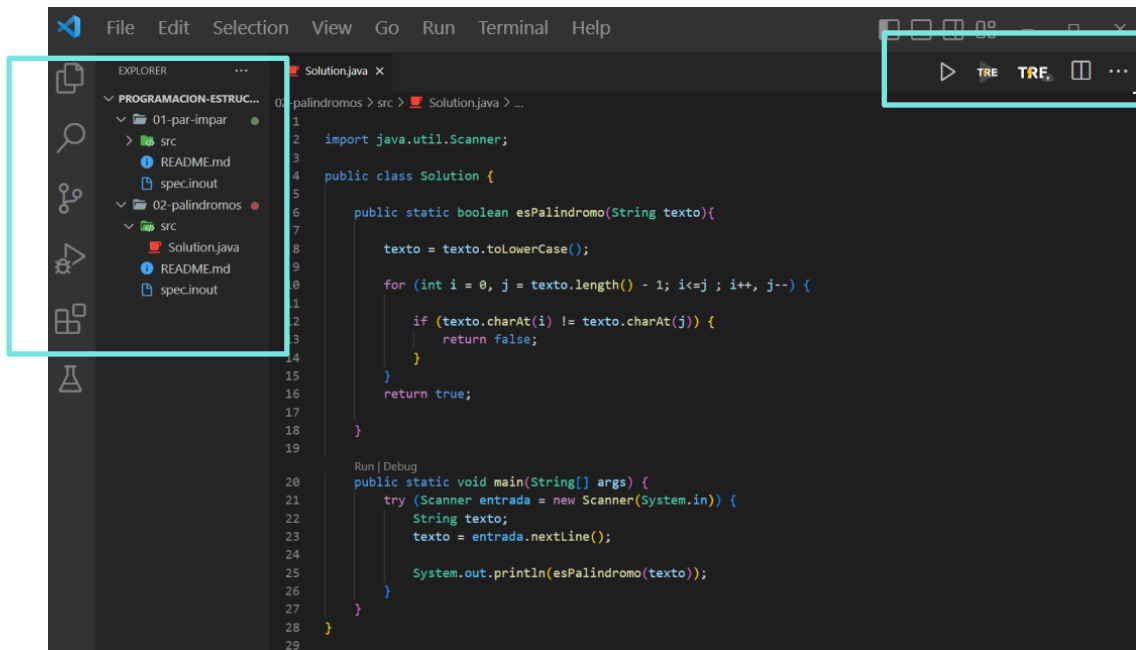
The screenshot shows a web application interface with a dark theme. At the top, there is a navigation bar with the following menu items: File, Edit, Selection, View, Go, Run, Terminal, and Help. On the left side, there is a sidebar with icons for a document, a magnifying glass, a link, a play button, a grid, and a flask. The main content area is divided into two sections. The top section is titled "Add a new assignment" and contains a blue button labeled "Get repository". The bottom section is titled "My assignments" and contains four cards. Each card represents an assignment and shows the number of completed exercises, the status, and an "Open" button. The status is either "Not yet finished" (in red) or "All finished" (in green).

Assignment Title	Completed Exercises	Status	Action
programacion-estructurada-unidad-1-Oswaldo...	3/10	Not yet finished	Open
programacion-estructurada-unidad-2-Oswaldo...	8/15	Not yet finished	Open
programacion-estructurada-unidad-3-Oswaldo...	5/5	All finished	Open
programacion-estructurada-unidad-4-Oswaldo...	0/2	Not yet finished	Open



WorkSpace

Folders Structure



Send and Test Exercises



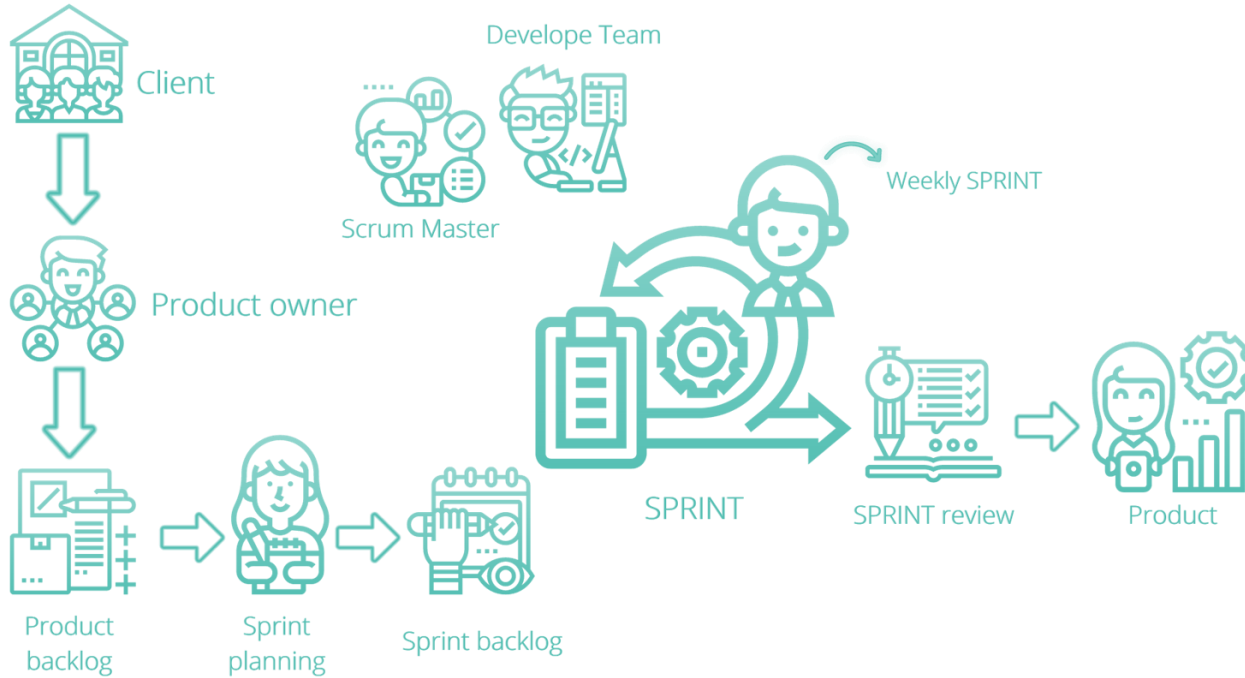


Our work process





Work Process



Meeting Tracking

☰ 8 lines (5 sloc) | 163 Bytes



Raw

Blame



Subject: Review of requirements

The first review of the functional requirements was carried out

Pending:

- Make the use cases
- Fix ambiguous requirements



Task Assignment

Board · By Status Board · By Assignee Assigned to Me All Tasks Calendar + Filter Sort 🔍 ... New ▾

Aa Name	▼ Status	👤 Assignee	📅 Due Date	▼ Pri
Creación de Mockups	Done	👤 Oswaldo Chan (K) Kevin Medina		High
Desarrollar los requerimientos del proyecto (MoSCoW)	Done	👤 Oswaldo Chan		Medi
Hacer Diapositivas de entrega final	Done	(K) Kevin Medina		Medi
Hacer bitácoras	Done	👤 Oswaldo Chan		Low
Actualizar repositorio	To Do	(K) Kevin Medina 👤 Oswaldo Chan		Medi
Estándar de codificación	In Progress	(K) Kevin Medina 👤 Oswaldo Chan		Medi
Codificar las vistas del sistema	In Progress	👤 Oswaldo Chan (K) Kevin Medina		High
Codificación del Login	In Progress	👤 Oswaldo Chan		High
Codificación de "Realizar Test"	In Progress	(K) Kevin Medina		High
Realizar video entrega final	To Do	(K) Kevin Medina 👤 Oswaldo Chan		
+ New				

COUNT 10



.....Contribution Tracker.....

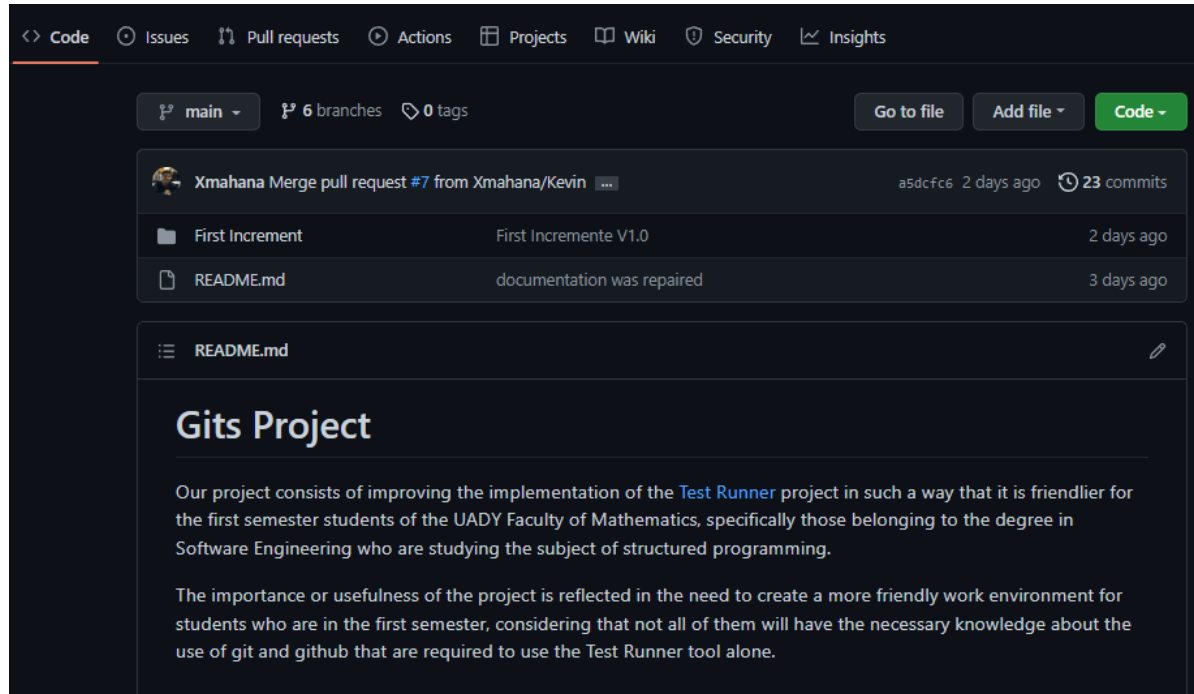
	Meetings	Assigned Tasks	Completed Tasks	Final contribution
Kevin Medina	11	7	7	50%
Oswaldo Chan	11	8	8	50%

Technologies Used



rollup.js

Our Repository



The screenshot shows a GitHub repository interface. At the top, there are navigation tabs: Code, Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights. Below these, there's a header section with a dropdown menu set to 'main', indicating 6 branches and 0 tags. To the right of this are buttons for 'Go to file', 'Add file', and 'Code'. The main content area displays a merge pull request #7 from Xmahana/Kevin, with commit hash 'a5dcfc6' and '23 commits' made '2 days ago'. Below this, a table lists repository contents: a folder 'First Increment' with description 'First Incremente V1.0' (updated '2 days ago') and a file 'README.md' with description 'documentation was repaired' (updated '3 days ago'). The 'README.md' file is selected, showing its content: 'Gits Project'. The text in the README describes a project to improve the 'Test Runner' for first-semester students at UADY Faculty of Mathematics, aiming to create a more friendly work environment for those new to git and github.

<> Code Issues Pull requests Actions Projects Wiki Security Insights

main 6 branches 0 tags Go to file Add file Code

Xmahana Merge pull request #7 from Xmahana/Kevin a5dcfc6 2 days ago 23 commits

First Increment	First Incremente V1.0	2 days ago
README.md	documentation was repaired	3 days ago

README.md

Gits Project

Our project consists of improving the implementation of the [Test Runner](#) project in such a way that it is friendlier for the first semester students of the UADY Faculty of Mathematics, specifically those belonging to the degree in Software Engineering who are studying the subject of structured programming.

The importance or usefulness of the project is reflected in the need to create a more friendly work environment for students who are in the first semester, considering that not all of them will have the necessary knowledge about the use of git and github that are required to use the Test Runner tool alone.

[Click here to go our repository](#)



Thanks!

