

GAME INSTALLER CREATION

How to create a game installer to create our game install files

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¿Qué es un Instalador?

- Permite instalar programas
- Fácil de usar / Simple funcionamiento
- Organización

Por qué usar un instalador en nuestro proyecto

1. Porque nos obligan (Ej. Esta asignatura)
2. Porque parecemos profesionales
3. Porque nuestro programa dispone de una cantidad de ficheros abrumadora / Depende de varios programas para funcionar (Ej. Adobe)
4. Para simplificar la obtención del programa al usuario

Funcionamiento de un instalador

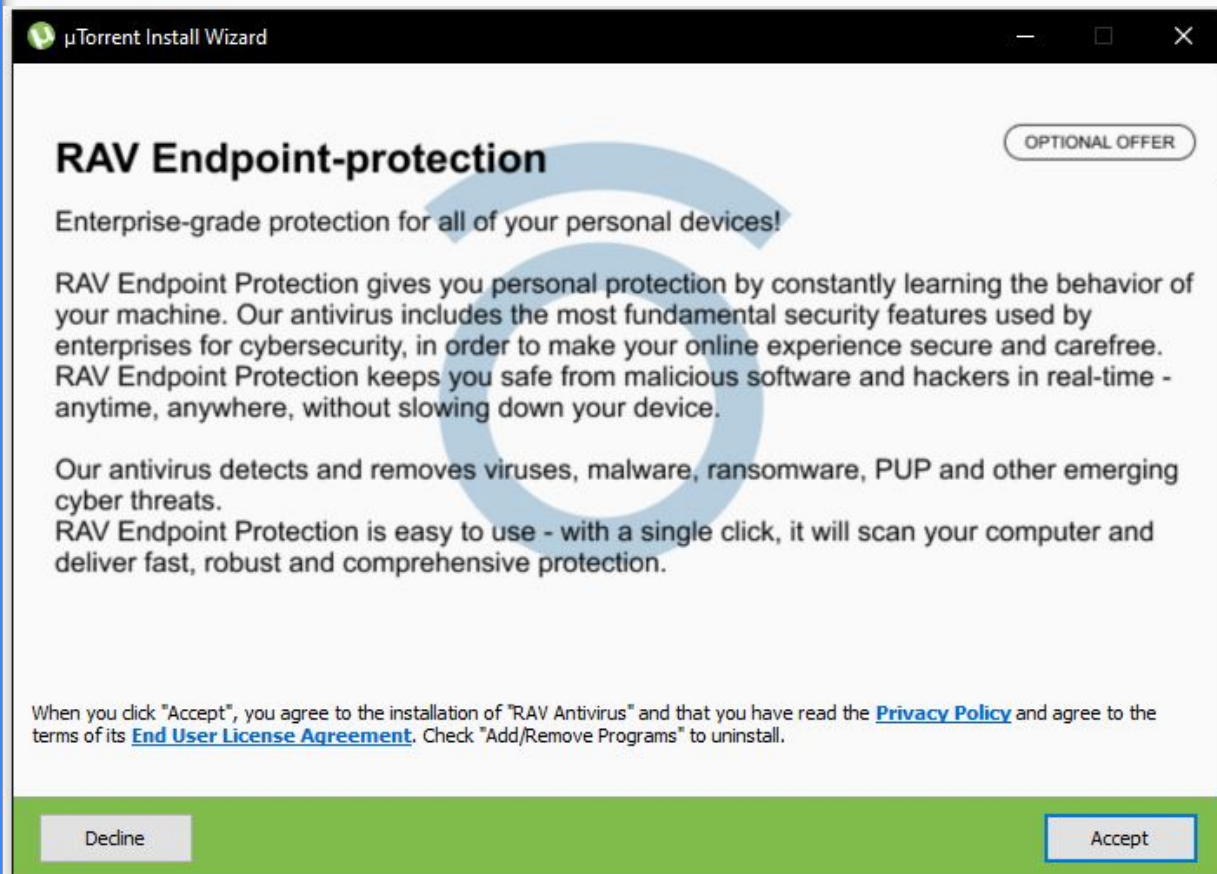
- Archivo comprimido
- Gestiona todos los archivos que pertenecen al programa
- Descarga / Obtiene los archivos de forma automática
- Organiza todos los archivos en sus respectivas carpetas

Ejemplos de instaladores

Setup.exe



Spam.exe



Cacao Installer

Installing — Visual Studio Community 2019

Workloads Individual components Language packs Installation locations

Web & Cloud (4)



ASP.NET and web development

Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker support.



Azure development

Azure SDKs, tools, and projects for developing cloud apps and creating resources using .NET Core and .NET...



Python development

Editing, debugging, interactive development and source control for Python.



Node.js development

Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime.



Desktop & Mobile (5)



.NET desktop development

Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET Core and .NET...



Desktop development with C++

Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild.



Universal Windows Platform development

Create applications for the Universal Windows Platform with C#, VB, or optionally C++.



Mobile development with .NET

Build cross-platform applications for iOS, Android or Windows using Xamarin.



Location

C:\Program Files (x86)\Microsoft Visual Studio\2019\Community [Change...](#)

By continuing, you agree to the [license](#) for the Visual Studio edition you selected. We also offer the ability to download other software with Visual Studio. This software is licensed separately, as set out in the [3rd Party Notices](#) or in its accompanying license. By continuing, you also agree to those licenses.

Installation details

> Visual Studio core editor

✓ ASP.NET and web development

Included

- ✓ .NET Core development tools
- ✓ .NET Framework 4.7.2 development tools
- ✓ ASP.NET and web development tools
- ✓ IntelliCode

Optional

- ✓ .NET Framework 4 – 4.6 development tools
- ✓ .NET Core 2.1 LTS Runtime
- ✓ Cloud tools for web development
- ✓ .NET profiling tools
- ✓ Entity Framework 6 tools
- ✓ Advanced ASP.NET features
- ✓ Developer Analytics tools
- ✓ Web Deploy
- ✓ Live Share
- ☐ Windows Communication Foundation
- ☐ .NET Framework 4.6.1 development tools
- ☐ .NET Framework 4.6.2 development tools

System drive (C) 4.77 GB

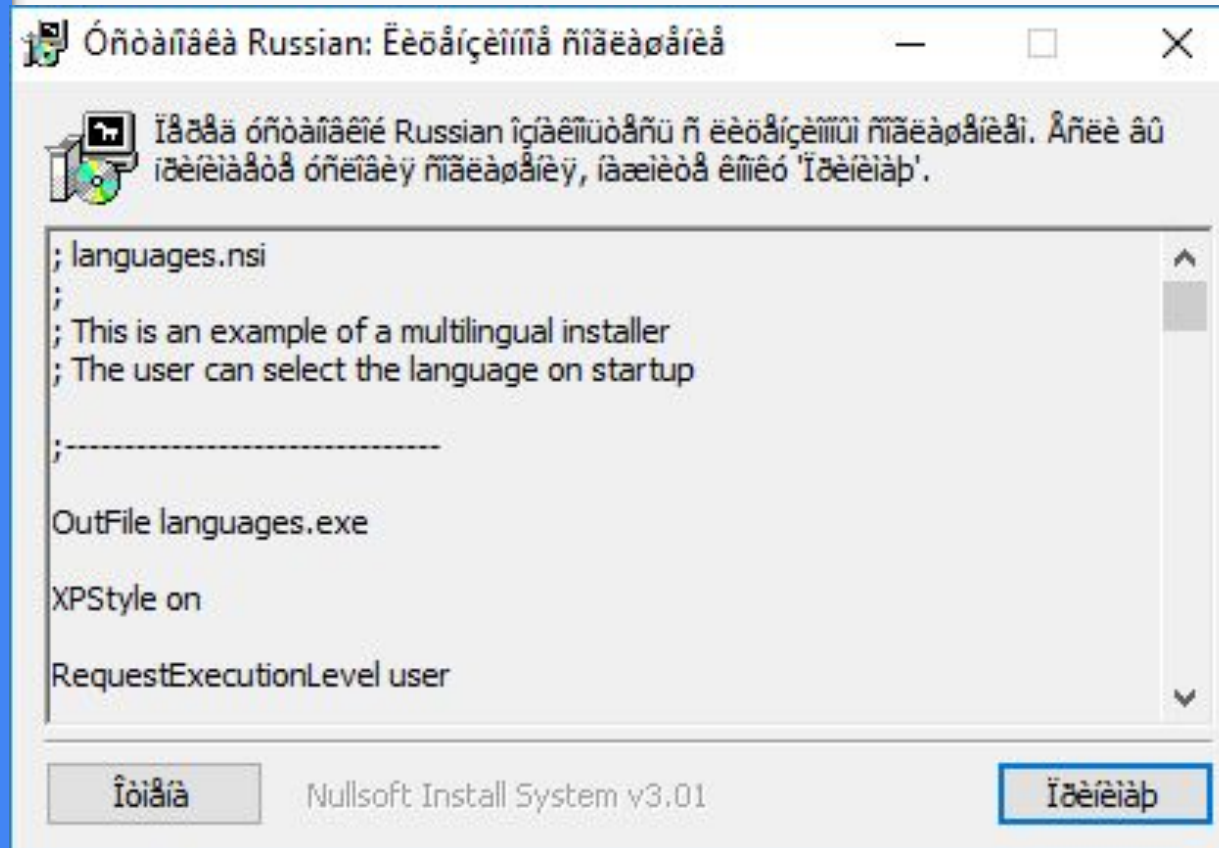
Other drives 1.31 GB

Total space required 6.08 GB

Install while downloading

Install

Troyano Ruso

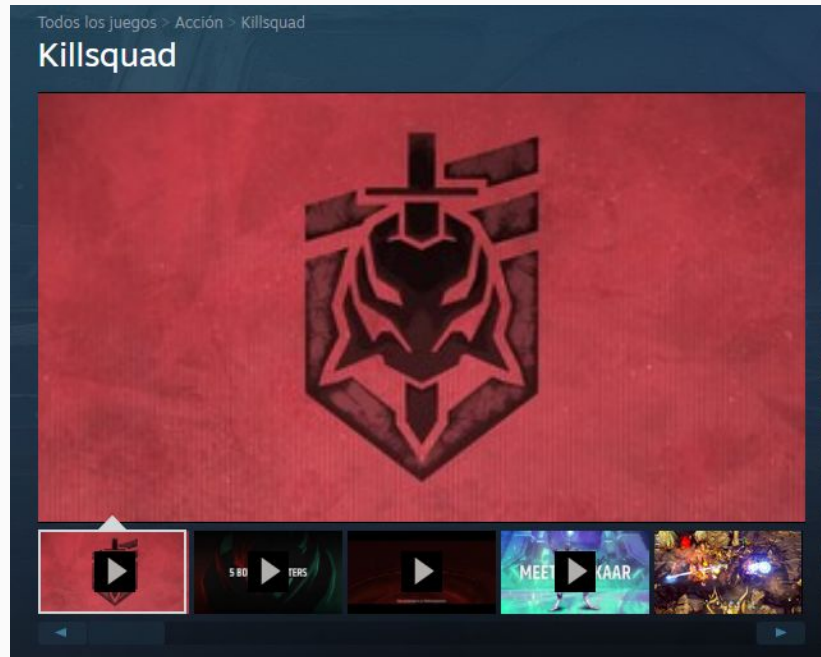


Dubstep Installer



¿Es KILLSQUAD un Instalador?

“Killsquad” es un *RPG* cooperativo *Hack & slash* multijugador online desarrollado por NOVARAMA, un estudio español el cual se encargó de la saga “Invizimals” en colaboración con Sony.



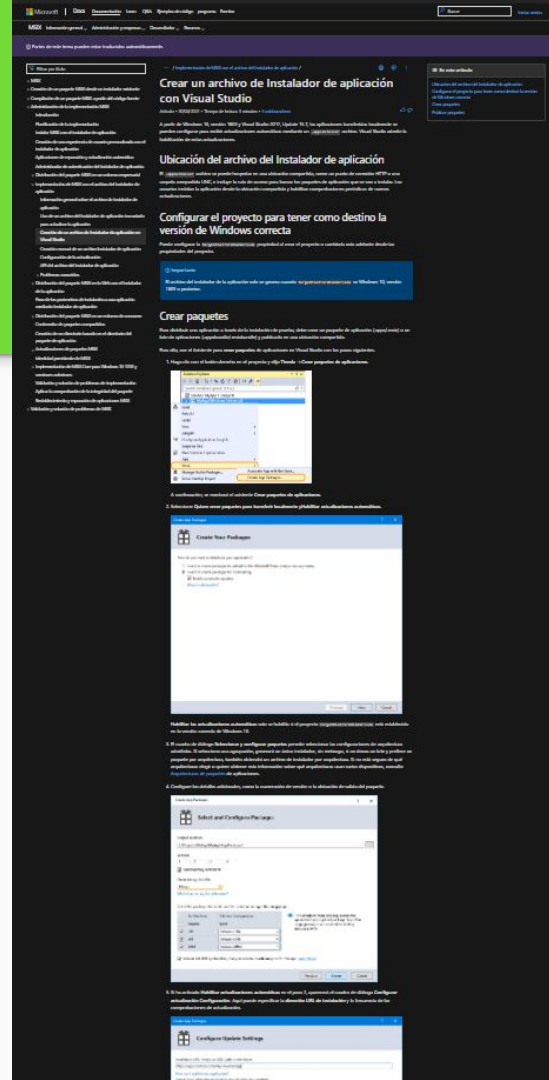
To Do de hoy

¿Como hacer un instalador?

The Google logo is centered on a white background. It consists of the word "Google" in its characteristic multi-colored font: the 'G' is blue, the first 'o' is red, the second 'o' is yellow, the 'g' is blue, the 'l' is green, and the 'e' is red.

Opción 1 : A mano

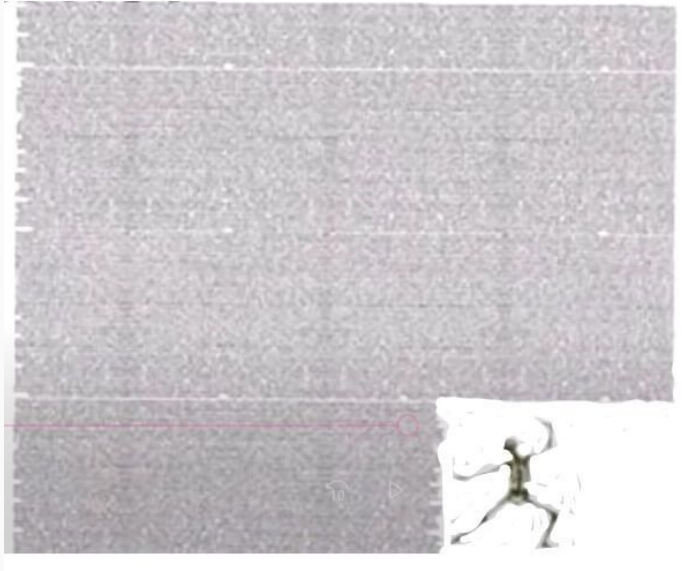
- Pros :
- Contras :
 - Se hace en XML
 - Hay que usar Visual Studio



Opción 2 : Inno Setup

- Pros :
 - Te hace el instalador de manera semiautomática
 - Luego puedes editar el código XML del instalador a tu gusto y compilarlo cuando quieras

¿ Otras Opciones ?



- Average Inno Setup Enjoier

To Do 1

Link de Github :

<https://github.com/Dani-24/Game-Installer-Creation>

To Do 2

- Carpeta Handout -> Inno Setup Installer
- Instalar **Inno Setup** en el ordenador (*Descargar el .rar si el ejecutable no se abre por motivos de permisos de administrador*) -> *Compil32.exe*

To Do 3

Organizar en una carpeta todos los archivos necesarios :

- Carpeta con el **programa a instalar**
- **Licencia** en .txt
- **2 Readmes** con información previa y posterior a la instalación (.txt)
- El **icono** que quereis que tenga vuestro instalador en .ico

To Do 4

- Ejecutar Inno Setup

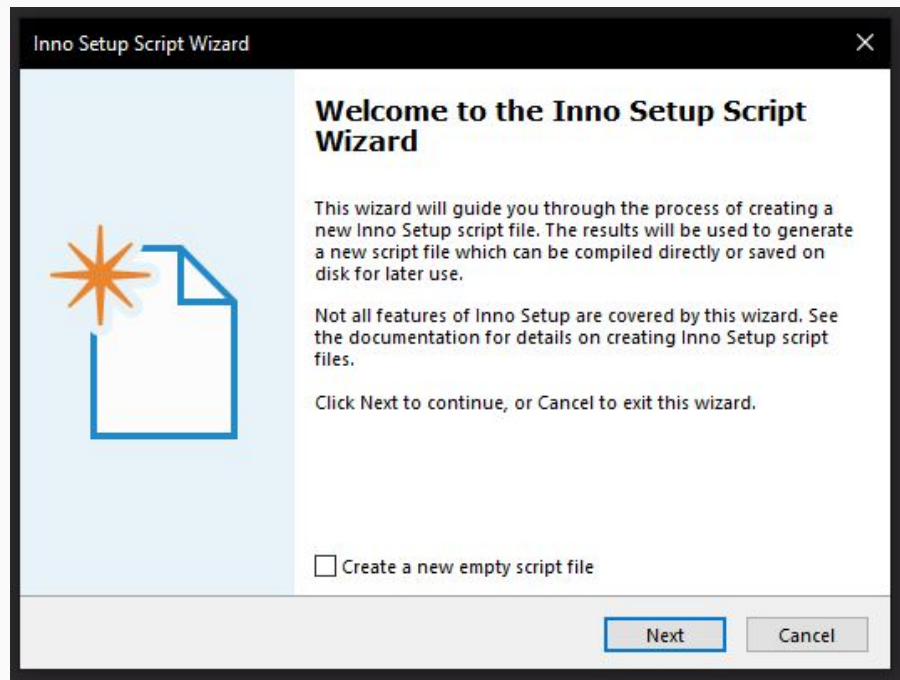
New file



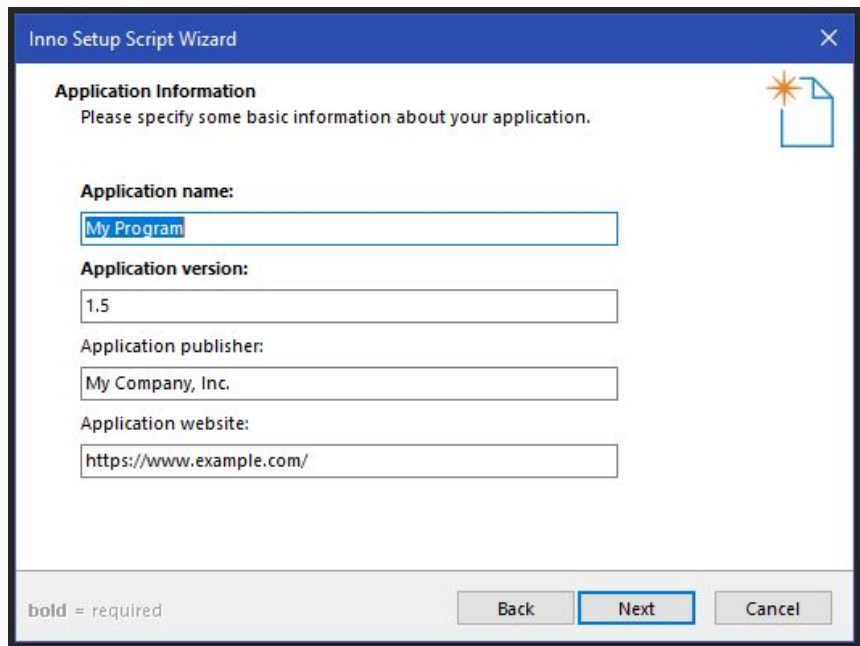
- ☐ Create a new empty script file
- ☒ Create a new script file using the Script Wizard

To Do 5

- Seguir los pasos del Setup Wizard



To Do 6



Inno Setup Script Wizard

Application Information
Please specify some basic information about your application.

Application name:

Application version:

Application publisher:

Application website:

bold = required

Application name:

Project RPG

Application version:

1.0.1 (Vertical Slide)

Application publisher:

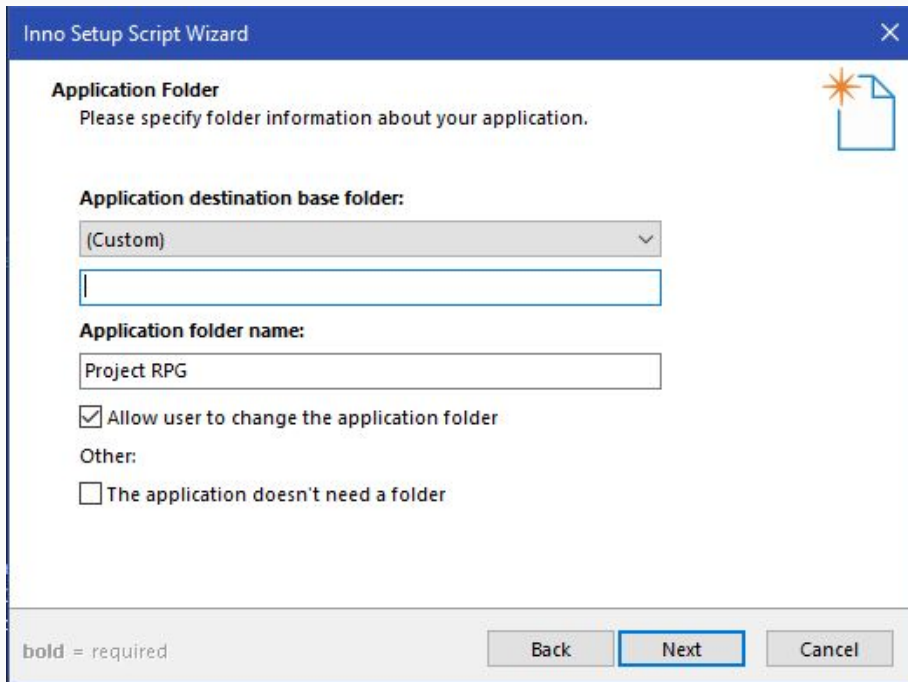
Suspicious Team

Application website:

https://github.com/Dani-24/Project-RPG

- Rellenar con la información de tu programa

To Do 7



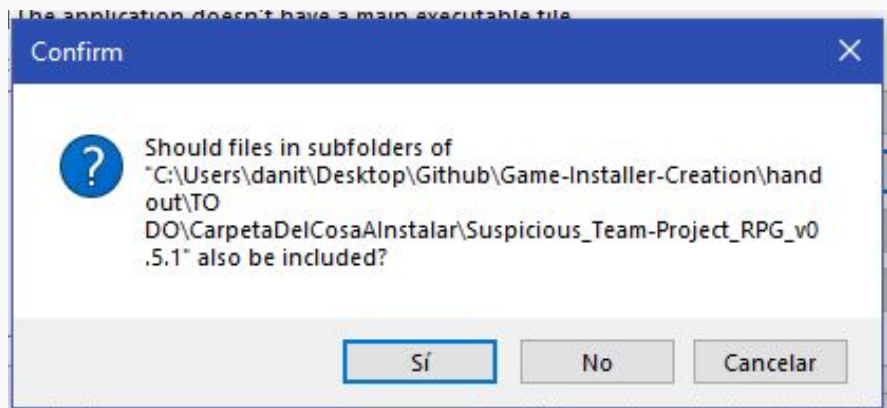
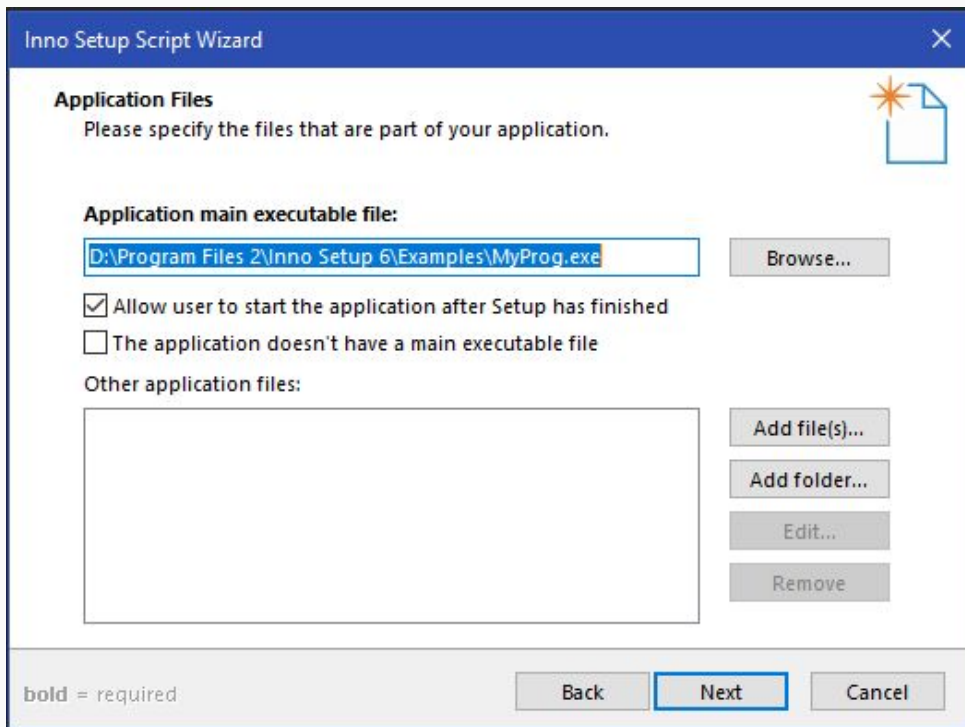
The screenshot shows the 'Inno Setup Script Wizard' window, specifically the 'Application Folder' step. The window has a blue title bar with the text 'Inno Setup Script Wizard' and a close button. The main area is white and contains the following elements:

- Application Folder**: A section header.
- Please specify folder information about your application.**: A descriptive text.
- Application destination base folder:**: A label for a dropdown menu.
- (Custom)**: The selected option in the dropdown menu.
- Application folder name:**: A label for a text input field.
- Project RPG**: The text entered in the folder name field.
- ☒ **Allow user to change the application folder**: A checked checkbox.
- Other:**: A label for a group of options.
- ☐ **The application doesn't need a folder**: An unchecked checkbox.
- bold = required**: A note at the bottom left.
- Back**, **Next**, and **Cancel**: Buttons at the bottom right.

- Especificar la ruta a **Custom** para evitar problemas de permisos de administrador en los ordenadores del CITM

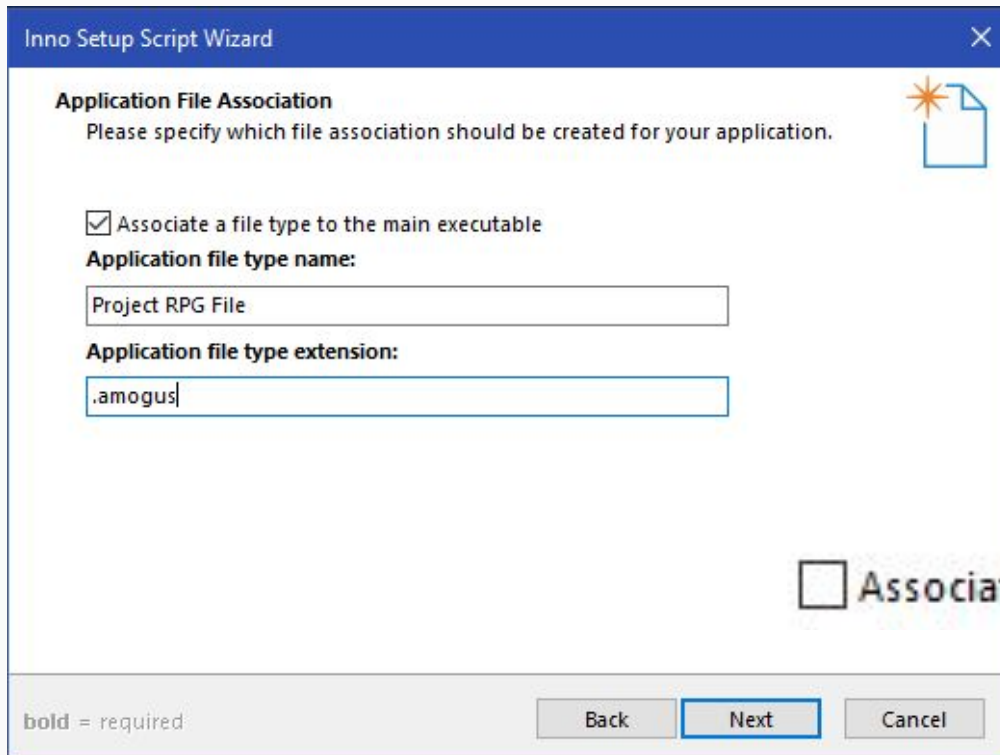
To Do 8

- Archivos a incluir en el ejecutable :



To Do 9

- Vincular un tipo de archivo a nuestro programa :

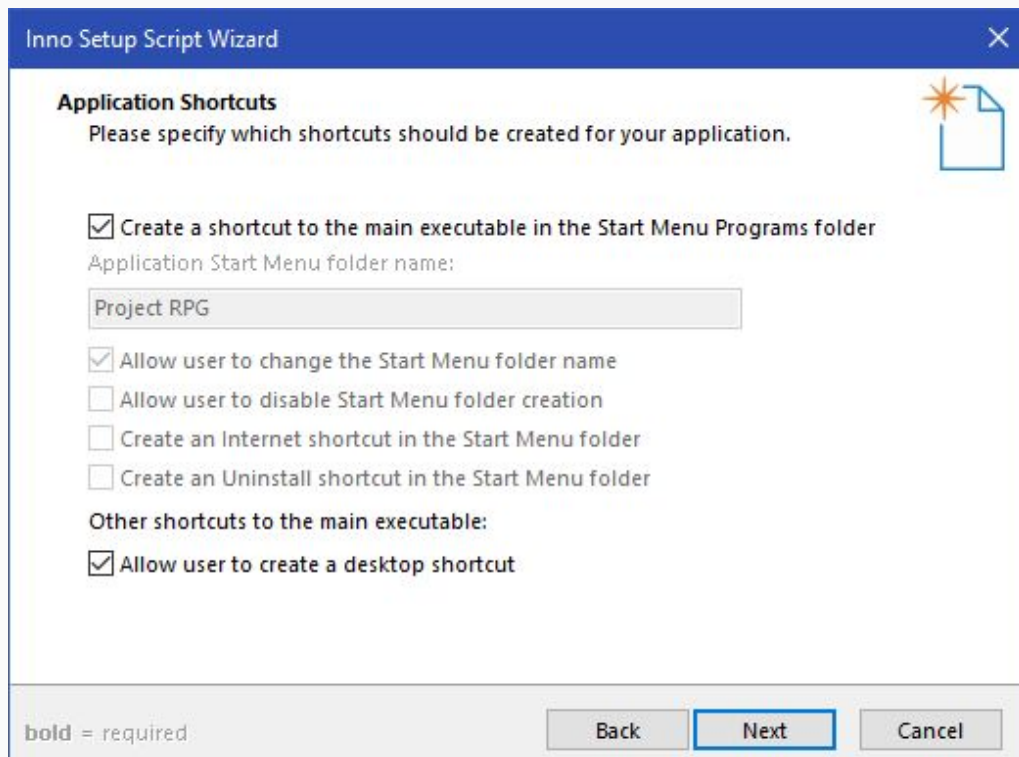


The screenshot shows the 'Inno Setup Script Wizard' window, specifically the 'Application File Association' step. The window has a blue title bar with the text 'Inno Setup Script Wizard' and a close button. The main area is white and contains the following elements:

- Application File Association**: The title of the dialog.
- Please specify which file association should be created for your application.**: The instruction text.
- ☒ **Associate a file type to the main executable**: A checked checkbox with bold text.
- Application file type name:**: A label for the text input field below it.
- Project RPG File**: The text entered in the 'Application file type name' field.
- Application file type extension:**: A label for the text input field below it.
- .amogus**: The text entered in the 'Application file type extension' field.
- ☐ **Associate a file type to the main executable**: An unchecked checkbox with bold text, located outside the main dialog area.
- bold = required**: A note at the bottom left of the dialog.
- Back**, **Next**, and **Cancel**: Buttons at the bottom right of the dialog.

To Do 10

- Accesos directos a nuestro programa :



The screenshot shows the 'Inno Setup Script Wizard' window, specifically the 'Application Shortcuts' step. The window has a blue title bar with the text 'Inno Setup Script Wizard' and a close button. The main area is white with a blue border. At the top, it says 'Application Shortcuts' in bold, followed by the instruction 'Please specify which shortcuts should be created for your application.' To the right of this text is a small icon of a document with a star. Below the instruction, there are several checkboxes and a text field. The first checkbox is checked and labeled 'Create a shortcut to the main executable in the Start Menu Programs folder'. Below this is a text field labeled 'Application Start Menu folder name:' containing the text 'Project RPG'. Below the text field are four more checkboxes: 'Allow user to change the Start Menu folder name' (checked), 'Allow user to disable Start Menu folder creation' (unchecked), 'Create an Internet shortcut in the Start Menu folder' (unchecked), and 'Create an Uninstall shortcut in the Start Menu folder' (unchecked). Below these is the section 'Other shortcuts to the main executable:' with one checked checkbox labeled 'Allow user to create a desktop shortcut'. At the bottom of the window, there is a grey bar containing the text 'bold = required' on the left and three buttons: 'Back', 'Next' (highlighted with a blue border), and 'Cancel'.

Inno Setup Script Wizard

Application Shortcuts
Please specify which shortcuts should be created for your application.

☒ Create a shortcut to the main executable in the Start Menu Programs folder
Application Start Menu folder name:
Project RPG

☒ Allow user to change the Start Menu folder name
☐ Allow user to disable Start Menu folder creation
☐ Create an Internet shortcut in the Start Menu folder
☐ Create an Uninstall shortcut in the Start Menu folder

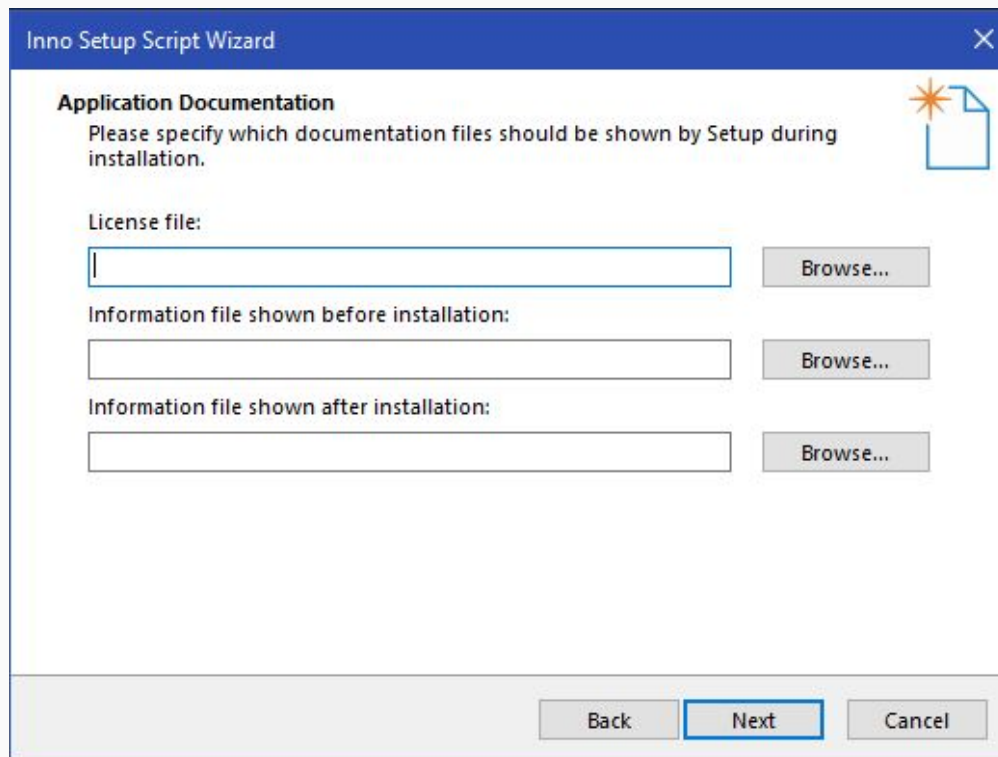
Other shortcuts to the main executable:
☒ Allow user to create a desktop shortcut

bold = required

Back Next Cancel

To Do 11

- Información mostrada en nuestro Instalador :

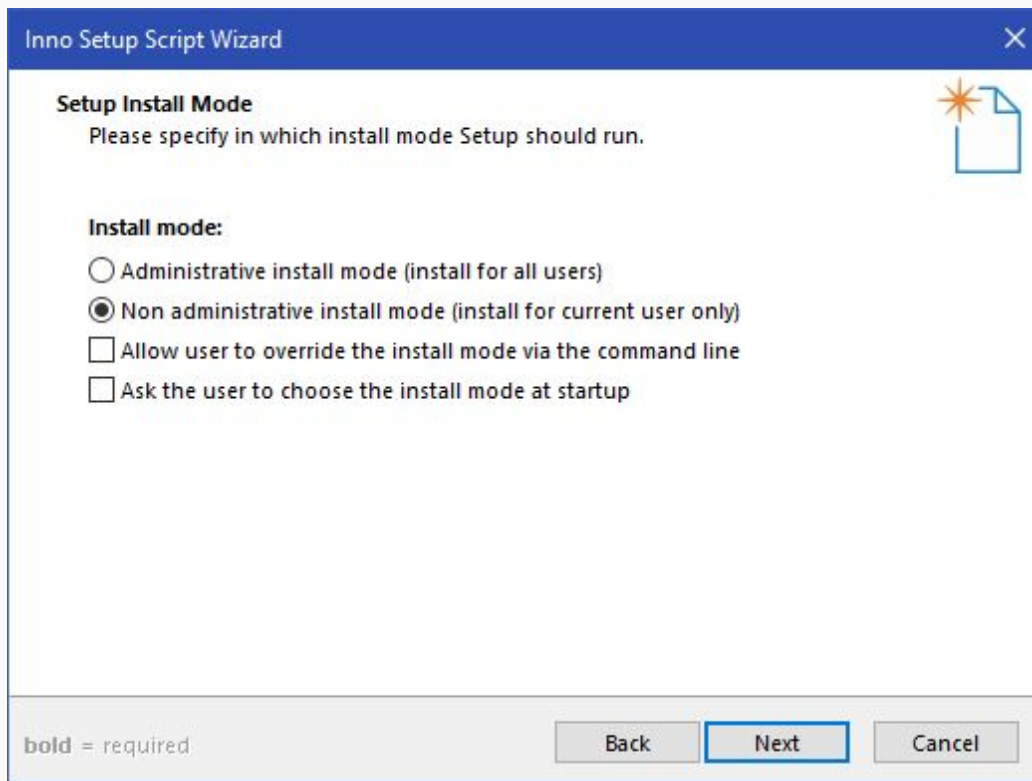


The screenshot shows the 'Inno Setup Script Wizard' window, specifically the 'Application Documentation' step. The window has a blue title bar with the text 'Inno Setup Script Wizard' and a close button. The main area is white and contains the following elements:

- Section Header:** 'Application Documentation' in bold black text.
- Instruction:** 'Please specify which documentation files should be shown by Setup during installation.'
- Icon:** A blue document icon with a yellow starburst in the top right corner.
- Form Fields and Buttons:**
 - License file:** A text input field with a cursor, followed by a 'Browse...' button.
 - Information file shown before installation:** A text input field, followed by a 'Browse...' button.
 - Information file shown after installation:** A text input field, followed by a 'Browse...' button.
- Navigation Buttons:** At the bottom, there are three buttons: 'Back', 'Next' (which is highlighted with a blue border), and 'Cancel'.

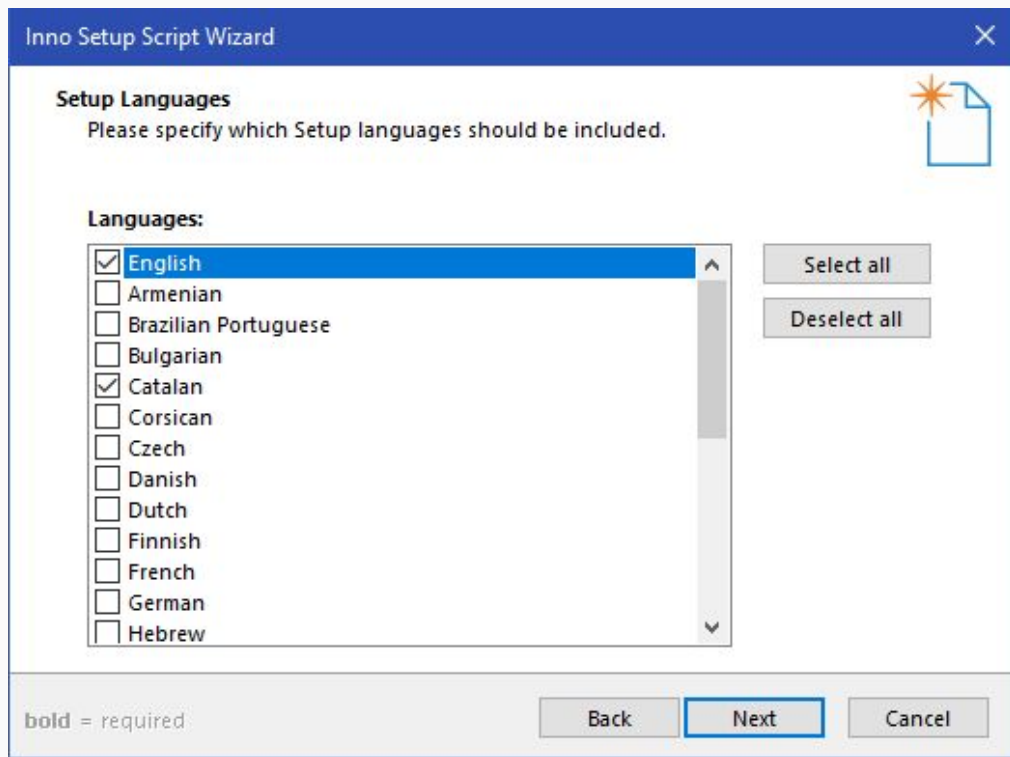
To Do 12

- Permisos requeridos al instalar : (Usar **Non** Admin install Mode)



To Do 13

- Idioma del propio Instalador :



To Do 14

- Propiedades del Instalador :

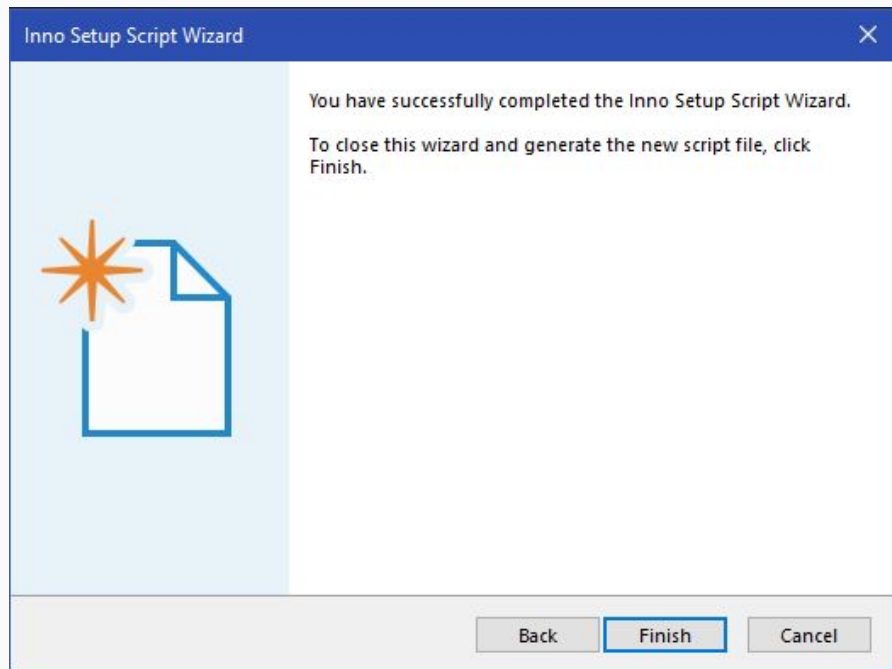
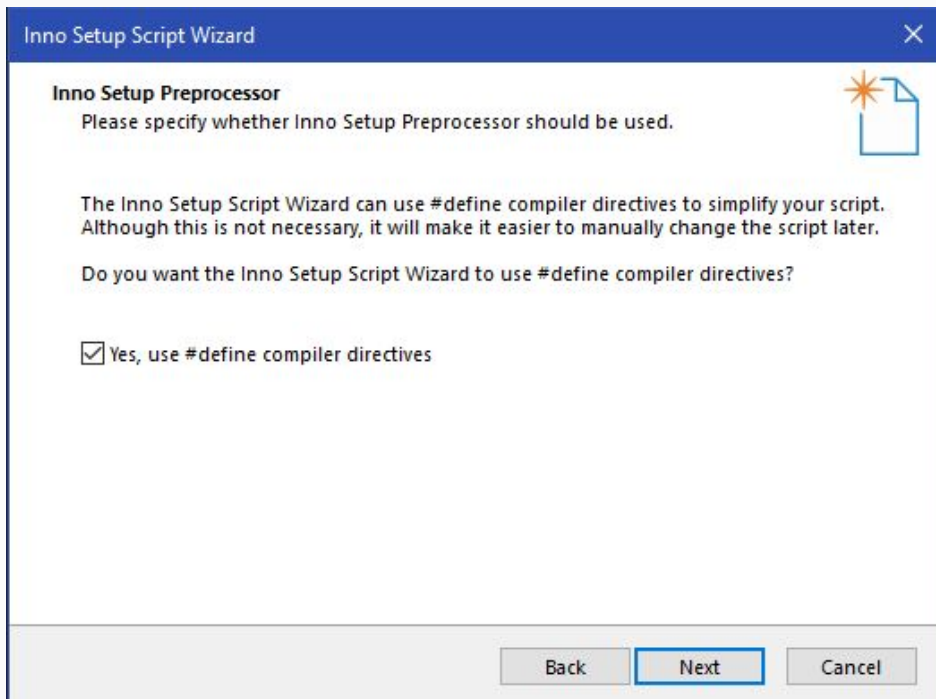
The screenshot shows the 'Inno Setup Script Wizard' window, specifically the 'Compiler Settings' tab. The title bar reads 'Inno Setup Script Wizard'. Below the title bar, the text 'Compiler Settings' is followed by the instruction 'Please specify some basic compiler settings.' There are four input fields with corresponding 'Browse...' buttons: 'Custom compiler output folder:' (empty), 'Compiler output base file name:' (containing 'mysetup'), 'Custom Setup icon file:' (empty), and 'Setup password:' (empty). At the bottom of the window are three buttons: 'Back', 'Next' (highlighted with a blue border), and 'Cancel'.

This is a close-up view of the input fields from the 'Compiler Settings' dialog. It shows three fields with their respective 'Browse...' buttons: 'Custom compiler output folder:' with the path 'C:\Users\danit\Desktop\Github\Game-Installer-Creation\solution', 'Compiler output base file name:' with the text 'InstallerProjectRPG', and 'Custom Setup icon file:' with the path 'C:\Users\danit\Desktop\Github\Game-Installer-Creation\handou'.

- Carpeta donde crear este instalador al compilar el código
- Nombre del Instalador
- Icono del Instalador

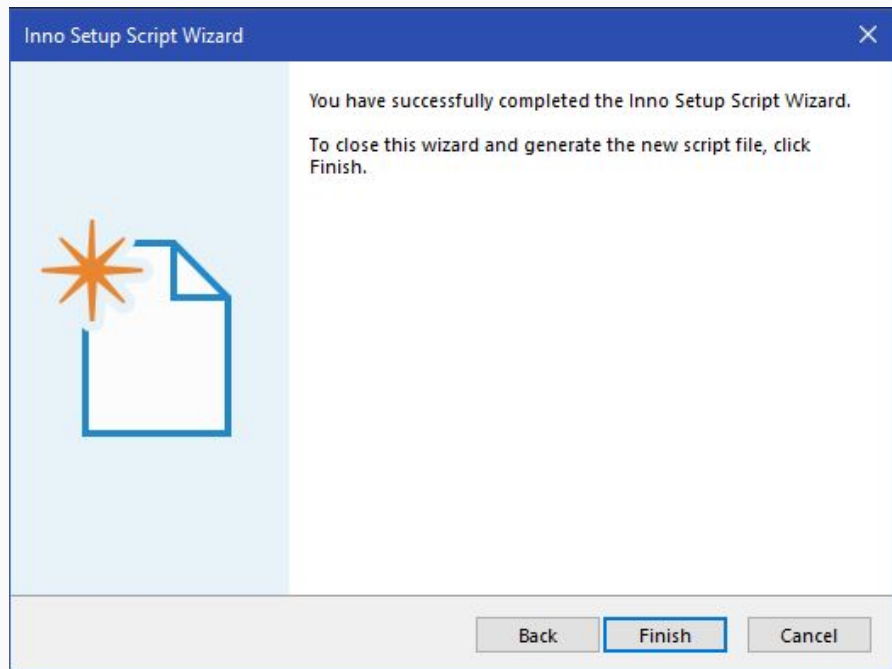
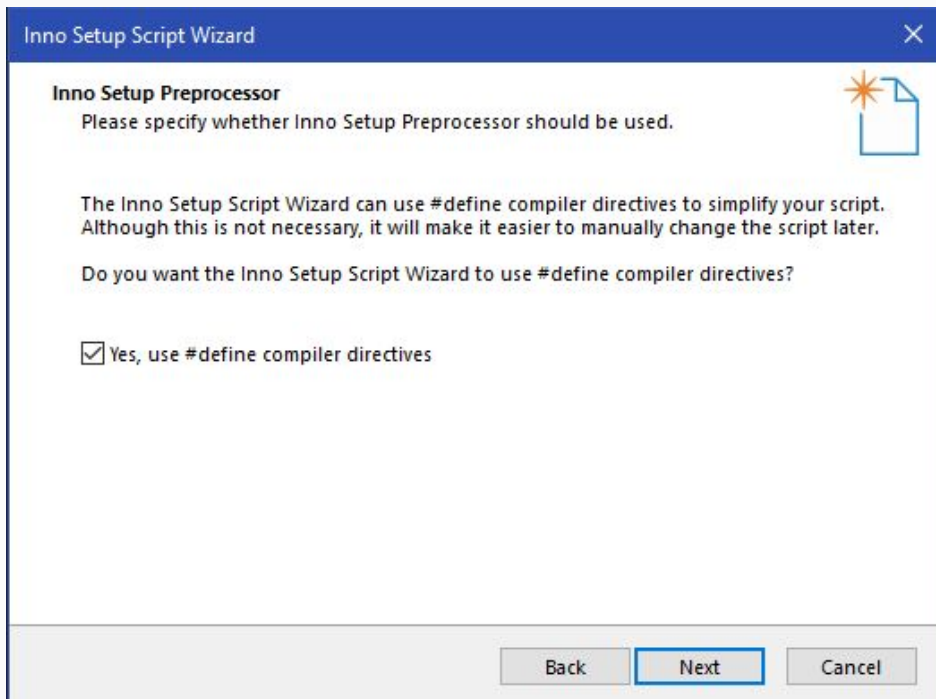
To Do 14.5

- Next :

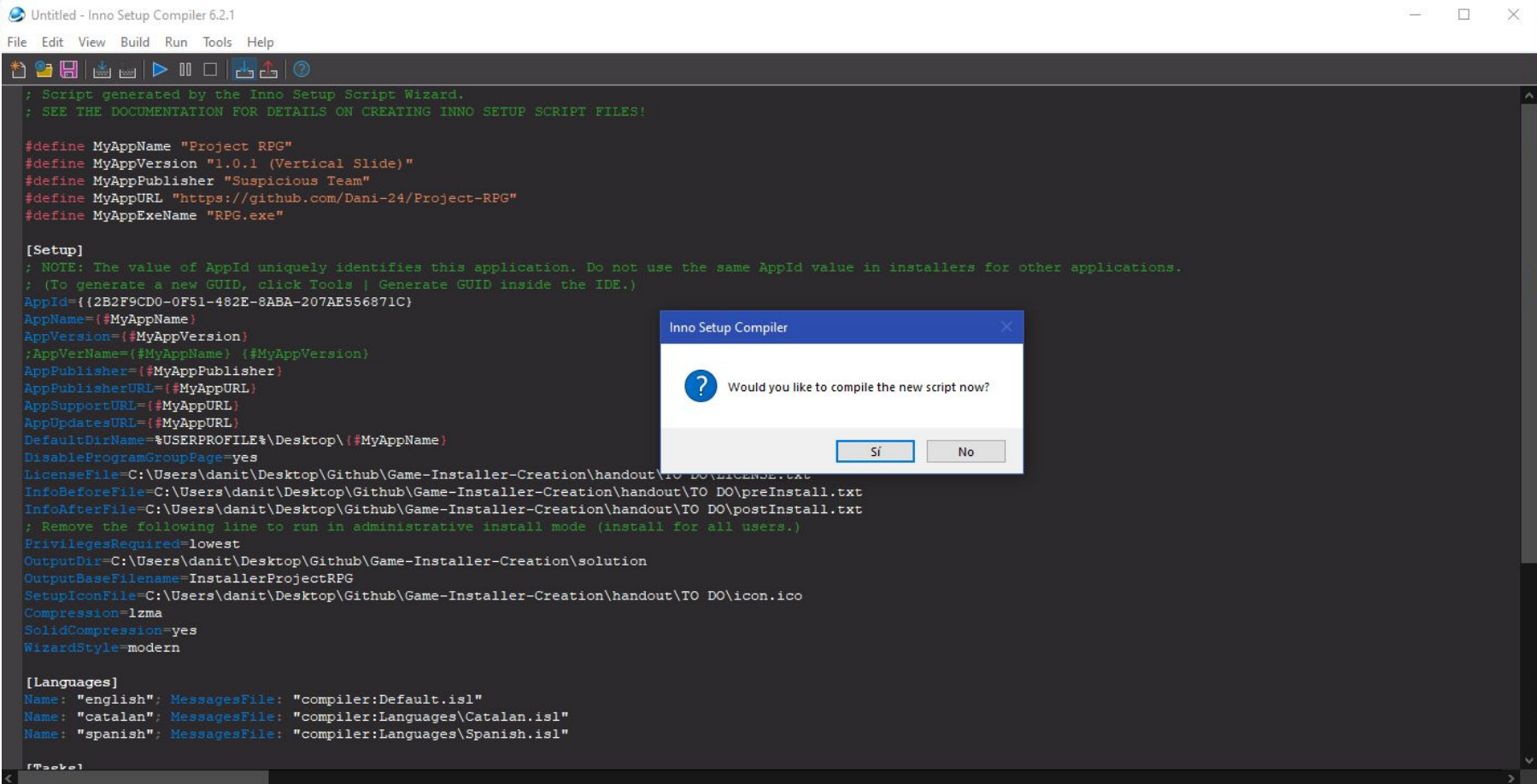


To Do 14.5

- Next :



To Do Final



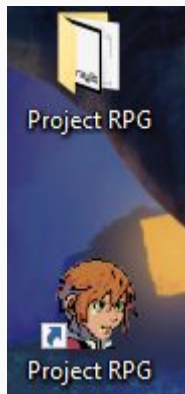
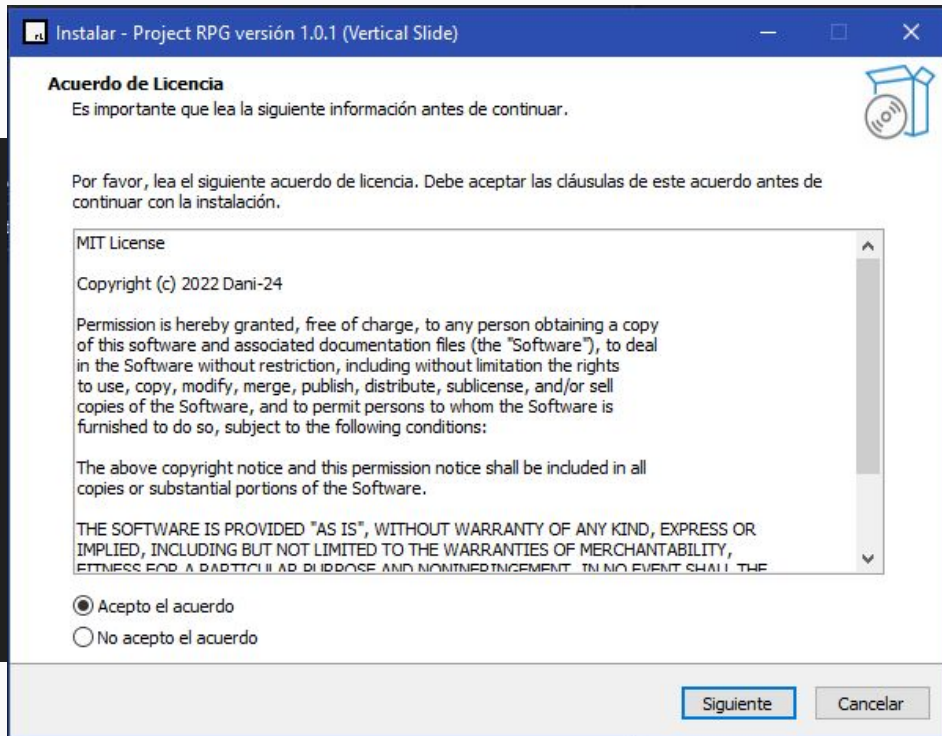
A probar el Installer



installerCode.iss



InstallerProjectRPG.exe



¿Opiniones sobre Instaladores y Inno Setup?



Bibliography

Inno Setup Documentation : <https://jrsoftware.org/isinfo.php>

Project RPG : <https://github.com/Dani-24/Project-RPG>

MI TRABAJO AQUÍ



HA TERMINADO