



**ESCUELA SUPERIOR DE INGENIERÍA**

**INGENIERÍA TÉCNICA EN INFORMÁTICA DE SISTEMAS**

**ZYCARS: JUEGO DE CONDUCCIÓN 2D**

José Jesús Marente Florín

12 de julio de 2011





## ESCUELA SUPERIOR DE INGENIERÍA

### INGENIERO TÉCNICO EN INFORMÁTICA DE SISTEMAS

#### ZYCARS: JUEGO DE CONDUCCIÓN 2D

- Departamento: Lenguajes y sistemas informáticos
- Director del proyecto: Manuel Palomo Duarte
- Autor del proyecto: José Jesús Marente Florín

Cádiz, 12 de julio de 2011

Fdo: José Jesús Marente Florín



## **Agradecimientos**

Me gustaria dar las gracias a todos esos amigos que he conocido a los largo de la carrera y me han ayudado a lo largo la misma y desarrollo de este proyecto, así como a mi familia, pareja y tutores por el apoyo dado durante todo el desarrollo del proyecto.



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## Notación y formato

Cuando nos refiramos a un programa o biblioteca en concreto, utilizaremos la notación:

*Python.*

Cuando nos refiramos a un fragmento de código, usaremos la notación:

Código

Cuando nos refiramos a algún comando introducido en la terminal, usaremos la notación:

```
sudo apt-get install
```



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# **Introducción**



## **Capítulo 2**

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## **Capítulo 8**

### **Conclusiones**





## Apéndice A

# Manual de instalación

### A.1. Linux: Ubuntu. Desde código fuente.

Para poder ejecutar *Zycars* desde el código fuente, será necesario la instalación de varias dependencias, para el correcto funcionamiento de la aplicación.

La primera de las dependencias a instalar será *Pygame*, que es la biblioteca principal con la que se ha desarrollado la aplicación. Para instalar, abrimos una terminal y ejecutamos el siguiente comando:

```
sudo apt-get install python-pygame
```

Una vez instalado *Pygame*, la siguiente dependencia que instalaremos será *Subversion* para poder obtener la versión más reciente del proyecto del repositorio del mismo. Para instalar subversion ejecutamos la siguiente orden en una terminal:

```
sudo apt-get install subversion
```

Tras instalar *Subversion*, hacemos checkout del repositorio del proyecto. Para ello ejecutamos en la terminal:

```
svn checkout http://zycars.googlecode.com/svn/trunk/ zycars
```

Con esto hemos obtenido la versión más reciente del código de la aplicación. Ahora accedemos a la carpeta generada anteriormente:

```
cd zycars/
```

Damos permisos de ejecución al fichero principal.

```
chmod +x run_test.py
```

Tras esto ya podremos jugar sin ningún problema haciendo doble click sobre **run\_test.py** o ejecutando en la terminal:

```
./run_test.py
```

## A.2. Linux: Ubuntu. Desde paquete debian.

Para poder realizar la instalación de la aplicación desde el paquete debian, debemos descargarnos el fichero debian para la arquitectura concreta de nuestro Sistema Operativo. Descargamos el fichero desde el siguiente enlace:

<http://code.google.com/p/zycars/downloads/list>

Una vez completada la descarga del fichero, hacemos doble click sobre este, y nos indicará si es necesario la instalación de algún paquete. Cuando ya estén instaladas todas las dependencias hacemos click en instalar y esperamos a la finalización de la instalación.

Para comenzar a jugar nos vamos a Aplicaciones ->Juegos ->Zycars.

## A.3. Windows.

Para jugar a *Zycars* en el sistema operativo Windows no es necesario la instalación de ningún programa auxiliar, lo único que necesitaremos descargarnos será versión correspondiente a Windows y descomprimir. La descargaremos del siguiente enlace:

<http://code.google.com/p/zycars/downloads/list>

Tras descomprimir el archivo, accedemos a la carpeta generada llamada "zycarsz" debemos hacer doble click sobre el archivo **zycars.exe** para comenza a jugar.

## **Apéndice B**

# **Manual de usuario**



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