Os

Report

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Description

* The OS we created is a completely new operating system written in C#.
* It was coded on top of the COSMOS kernel which is an open source project by  Chad Z. Hower aka Kudzu and Matthijs ter Woord.
* COSMOS is short for C# Open Source Managed Operating system.
* This OS was built using the visual studio 2017 kit using the cosmos extensions.
* Due to the limited time on our hands we were unable to create a functional gui with the necessary mouse , location drivers …etc
* But we were able to create a smooth functioning commandline OS with every line of code (save for the kernel in assembly line ) written solely by our team.
* We decided to call this os : mcOS

Features

* A smooth running command line OS
* Uses Syslinux as bootloader
* Text rendering capabilities
* Calculator
* Snake game written in c#
* Shutdown and restart options
* This OS can be installed on any x86 running system.

Potential improvements

Although written in C# this OS uses the VB.net framework as a standard developer library. Therefore any .Net based language can be used for further development of this project.

Also due to the integration of Cosmos into visual studio , it is fairly easy to create many types of programs in any of these languages and compile it onto the OS as plug ins.

Directions

* Install and run VMware on your PC .
* As the VMware window opens click on : Create a New Virtual Machine.
* Click on installer disc image file …. And then navigate to the iso file(cnmOS2Boot.iso) in the CD submitted by our team.
* Click next and choose other as the guest operating system
* For version also choose other
* Click next leave everything as default and click next
* Select split virtual disk into multiple files or the option according to your preference.
* Click next…. Click finish, a window will open before you
* Click play virtual machine
* Type go in the commandline that opens