



B6 - End-Year Projects

B-YEP-600

End-Year Projects

Choose the one that makes you dream the most

End-Year Projects

repository name: YEP_project\$PROJECTNUMBER_\$ACADEMICYEAR
(for instance, YEP_project1_2019)

repository rights: ramassage-tek



- The totality of your source files, except all useless files (binary, temp files, obj files,...), must be included in your delivery.
- All the bonus files (including a potential specific Makefile) should be in a directory named *bonus*.
- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).

The purpose of this catalogue is to let you choose the project that suits you best.

Most projects refer to an existing application. Stick as closely as possible to the functionalities of this software.

You are completely free to make your own choices in terms of technology, language and library.

However, you will need to be able to justify the choices you have made.

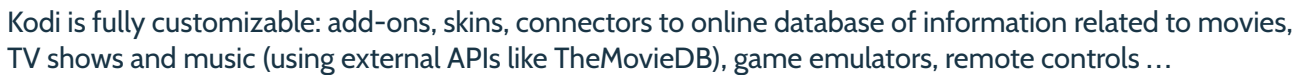
You will be evaluated both on the purpose of your project and on the conduct of the project. Use tools for collaboration, continuous integration, project management, ...

The time has come to use agile methods and test-driven project development.

Have fun and make us dream !



It allows users to play and view most videos, music, podcasts, and other digital media files from local and network storage media and the internet.

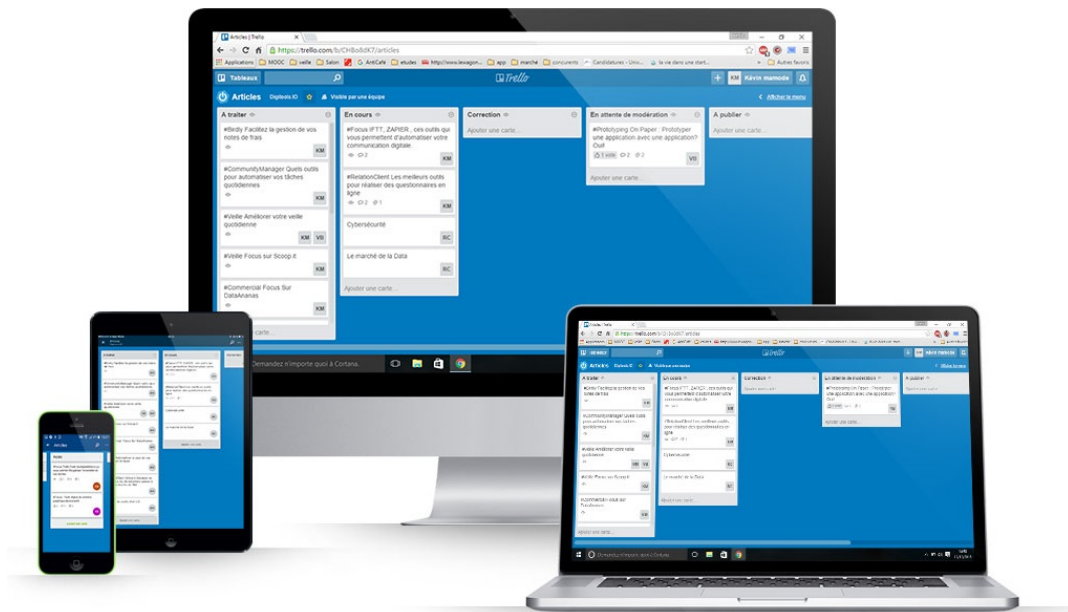


For further information on what is expected, you can visit their website : <https://kodi.tv/>



EPI TRELLO

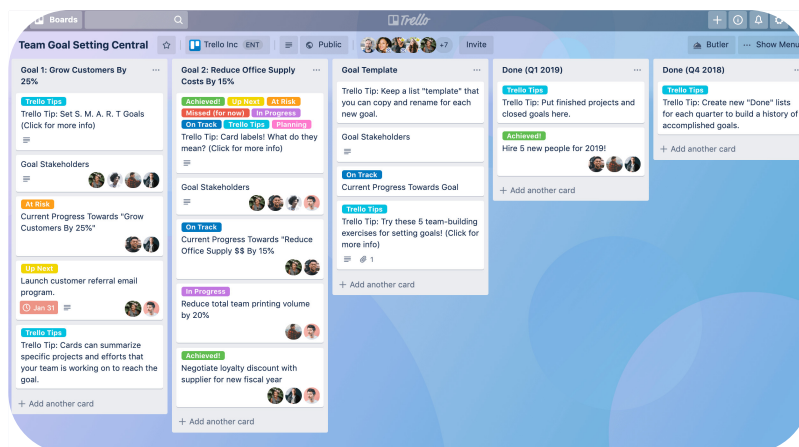
Trello is an online project management tool, inspired by Toyota's Kanban method.



It is based on the organization of projects into boards listing cards, each representing tasks.

Cards are assignable to users and are movable from one board to another, reflecting their progress.

For further information on what is expected, you can visit their website : <https://trello.com/>



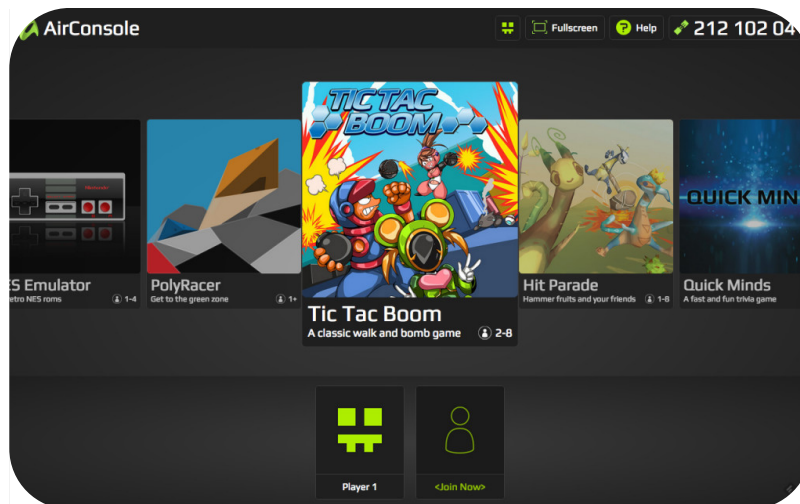
EPIAIRCONSOLE

AirConsole is an online video game console embedded in your browser.

Several multiplayer games are available. Player's smartphones are the gamepads.



For further information on what is expected, you can visit their website : <https://www.airconsole.com/>
(just visit ... don't spend too much time there ;-)



EPIPOV-RAY

The Persistence of Vision Raytracer is a high-quality, Free Software tool for creating stunning three-dimensional graphics using raytracing algorithms.

In computer graphics, ray tracing is a rendering technique for generating an image by tracing the path of light as pixels in an image plane and simulating the effects of its encounters with virtual objects.

Ray tracing is capable of simulating a variety of optical effects, such as reflection and refraction, scattering, and dispersion phenomena.



The raytracer was a flagship project of tech1 just a few years ago, it's up to you to bring it up to date and show your elders that in tech3 you can do even better!

EPIGIMP

GIMP is an acronym for GNU Image Manipulation Program. It is a free and open-source raster graphics editor used for image retouching and editing, free-form drawing, converting between different image formats.

Gimp embeds a lot of features like color picker, selections and path, image editing tools (clone, brush, perspective, different kinds of filter ...), layers, layers mask and channels, and so on.



For further information on what is expected, you can visit their website : <https://gimp.org/>



EPIFLIPBOARD

Flipboard is a news aggregator software.

It aggregates content from social media, news feeds, photo sharing sites and other websites. Readers can also save stories into Flipboard magazines.



The application's user interface is designed to present the content in magazine format, and allows users to "flip" through the articles, images and videos being shared.

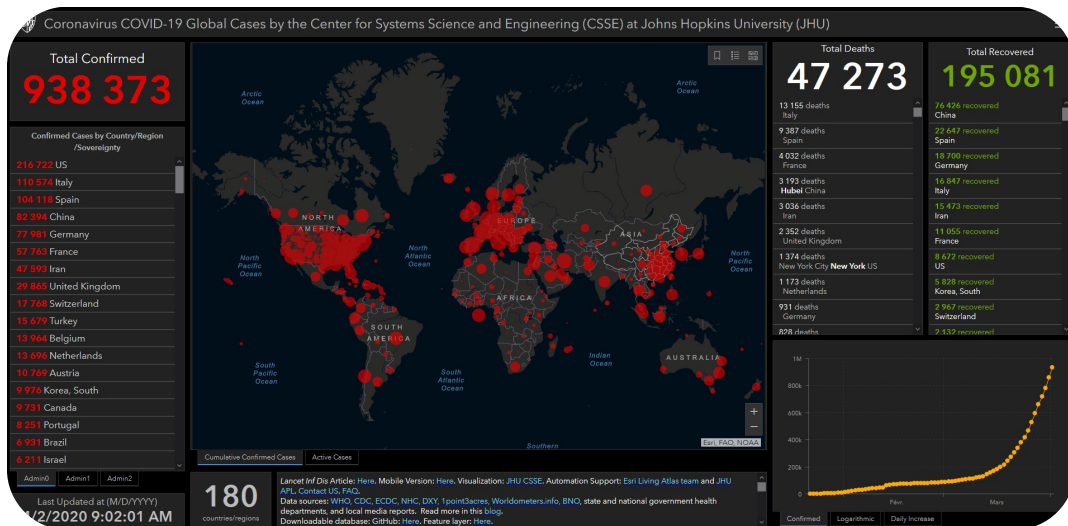
For further information on what is expected, you can visit their website : <https://flipboard.com/> and install the mobile app.



COVID-19 DATAVIZ

This project consists of the exploitation and visualization in real time of data concerning the Covid-19 pandemic throughout the world.

You must reuse the data provided to offer a synthetic dashboard for desktop and mobile.



The data can be found right here : <https://github.com/CSSEGISandData/COVID-19>

For further information on what is expected, you can visit this website : <https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>