

Code Editing in the Cloud



At the Heart of South Leinster

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Final Project,

4th Batch (Honours) in Software Engineering

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Introduction

- Code Editing:
 - Code Editor.
 - Access to a Compiler / Interpreter.
 - IDE (integrated design environment).
 - Software Version Control System.
- Cloud Computing:
 - No need for installing the application.

Aim of the project

- IDE in the cloud, for JAVA language:
 - Code editor.
 - File explorer.
 - Access to a Compiler.
- No need for Software Version Control System.

Useful for:

- Software developers and engineers teams:
 - No need to install an IDE in every machine.
 - No need for software version control system, with clients in every machine, and a central server.
 - The application install in the server + Web browser.

Similar Applications

- **CodeMirror:** JavaScript library.
- **CodeTextArea:** interface to edit code.
- **Bespin:** Development environment.
- None of them provide access to a compilation tool.

Technologies

- Ruby on Rails:
 - Convention over Configuration.
 - Don't Repeat Yourself.
 - Model-View-Controller (MVC) architecture.
 - Scripts and Scaffolding.
 - Rake and Rubygems.

Technologies

- AJAX:
- HTML.
- JavaScript.
- XML.
- *”AJAX is not a new programming language, but a new technique for creating better, faster, and more interactive web applications using JavaScript and XML”.*
- Easily integrated on Ruby on Rails.

Technologies

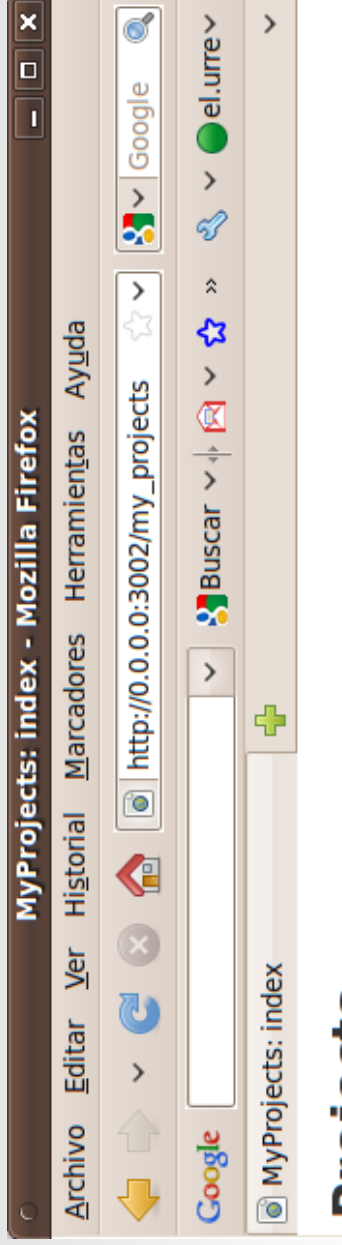
- Data Bases?
- Storage?
- Web Browsers?

What is done so far

- Managing Project and Files.
- Exporting and Compilation Functionalities.

What is done so far

- How it looks right now:



Projects

Please select a project or create a new one

Projects:

[Project](#) [Change Name](#) [Remove](#)

[New my_project](#)

New Project

Please introduce new project name to create it

Name

[Back](#)

New File for Project Project

Name

```
public class Test {  
    /**  
     * @param args  
     */  
    public static void main(String[]  
args) {  
        System.out.println("This  
is a test");  
    }  
}
```

Text

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What needs to be done

- Managing Users.
- Log in system
- Code Highlighting.

Any Questions ?

Thank You!

- For any doubts:

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