Team Blackline



**Idea Summary**

**What is the Code Games Idea?**

We have to share documents for better collaboration in work environment with colleagues and clients. However; these shared documents may have sensitive information. Blackline focuses on solving this problem by dividing the information into layers for different people/roles. For instance, Anna signs service agreement contract and the contract is visible to Anna wholly and partly for James, Julia but a little for Cindy. If the agreement is replaced or updated, the relevant people will still get the latest version while hiding the sensitive information.

In Tax&Accounting domain, we focused on practice management and, contracts as the case. However, Blackline can be used in Health, Tax&Accounting, Legal&Regulatory and Governance, Risk&Compliance, in all WK business domains.

**Advantages:**

* Managing documents in a secure way
* Roles and tagging can be used for automated blacklines
* One original file so better in versioning
* Users can generate a new contract document based on a template document. In this template, the secure content-parts can be already marked.
* Human actions can train the system, and it can recognize the sensitive information in an intelligent way.
* Can be integrated easily to Practice Management Solutions like Alure and TPM
* DMS integration
* Can be aligned with GDPR classifications (sensitive, risky, personal)

**How it works:**

A document is converted to HTML via backend. The owner of the file can hit the share button on the navigation bar. In a modal, the user can enter e-mail credentials and information that he would like to hide. The system will generate a new URL for the receiver (ex: employee or client) and send it via e-mail. Reciever can log in to the system and see his version of the document with black lines.

**Credentials and Link:**

Login link – <http://blackline.azurewebsites.net/>

(Anna)Owner of the file: [management@management.nl](mailto:management@management.nl) – pass: management

(James)Employee: [employee@employee.nl](mailto:employee@employee.nl) – pass: employee

(Ben)Client: [client@client.nl](mailto:client@client.nl) – pass: client

Horses: [horses@horses.nl](mailto:horses@horses.nl) – pass: horses

**Source Code structure**

Describe purpose of each folder/project

|  |  |
| --- | --- |
| Blackline\Blackline.sln | The solution file for both Api and Ui |
| Blackline\Blackline | Contains code for both Api and Ui |

**What tools technologies were used to create?**

|  |  |
| --- | --- |
| Documents | Existing docx document |
| SourceControl | GitHub |
| API | .Net 4.7 Web.Api (restfull) |
| FrontEnd | MaterailizedCSS, Jquery, CSS, JS |
| Hosting platfom | Microsoft Azure |
| BackEnd Language | C#, JSON, XML |

**Deployement:**

User supplied code, Build it, if any errors occur you might need to install .Net Framework 4.7

When its build you can publish it

The application published to Microsoft Azure using normal web publishment, it was created using Microsoft’s template for web.api applications, and can be published to your local iis if needed, Once its published, you should see the login page, where you can login with the credentials provided above.