

Reingegnerizzazione su piattaforma .NET del software applicativo Bancopass

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Bancopass is a software application developed by Assolombarda that establishes a standard for a "corporate identity card" based on historical data and business plans.

This is used to improve the quality of information provided by SME, interested in external sources of financing, to financial stakeholders.

The software, upon input of financial data (balance sheet, income statement, memorandum accounts), provides a set of reports that can be used for the above described purpose.

Due to the increasing number of end-users, the software, based on Excel, has shown its limit mainly in terms of supportability.

Delivering new software versions (corrections or new features), maintaining several software versions at the same time, usage of several Excel versions by the end users are the biggest challenges impacting the possibility to support a larger audience with a reasonable effort.

Scope of this multidisciplinary thesis work is to develop a new web application for the cloud that will implement, in the long run, the same functional requirements of the Excel based application making software distribution and maintenance easier.

The application is:

- based on ASP.NET technology (i.e. Active Server Page on the .NET framework);
- using the Javascript library Handsontable to implement a spreadsheet usable from the user's browser;
- using the service Sendgrid as a mail delivery service;
- distributed on Microsoft Azure cloud.

This paper describes the product's functional and technical aspects along with the testing conducted and outlines the future developments to be planned for the next project phases.