

model-to-code), in the spirit of the Model Driven Architecture (MDA) of OMG: the two modelling levels are represented by the **extended BPMN models (R1)** at the PIM level and by the WebML model [4], extended with new **social components (R3)** and visual widget (R4), at the PSM level.

Two main model transformations enable the quick prototyping approach:

- The model-to-model transformation BPMN to WebML, automatically maps BPMN specifications into WebML, including the social extension (Social BPMN to Social WebML).
- A model-to-code transformation (WebML to JEE Generator), automatically produces standard JEE code from WebML

This transformation will use the **social WebML conceptual components and visual interaction widgets** to produce code that implements social interaction functions and the connection to Social Networking Platforms via API invocations.

4. IMPLEMENTATION AND DEMO

New social components that describe at the conceptual level the basic social features (e.g., *social login* and *social contact search*) have been implemented and included in the modeling and code generation framework of WebRatio.³

Furthermore, some demonstration applications have been implemented following the BPM4People approach. A simple demonstration scenario, similar to the one described in this paper, is proposed on the BPM4People site at:

<http://www.bpm4people.org/cms/content/en/demos>.

A demonstration video shows the approach at work and describes the generated application, which is actually generated automatically and is integrated with LinkedIn (for retrieving the user's contacts) and with Doodle (for performing a poll).⁴ Figure 4 shows a screenshot of the generated application, which shows the list of retrieved LinkedIn contacts.

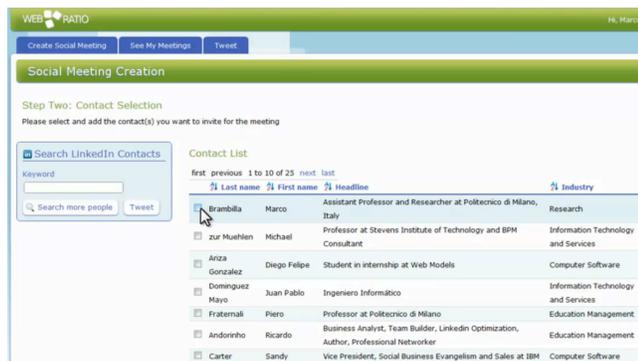


Fig. 4. Screenshot of the generated Social BPM application.

5. CONCLUSIONS

In this short paper we have presented the BPM4People approach to social BPM. The approach consists of defining a notation for Social

BPM defined as a BPMN 2.0 extension, a methodology, and a technical framework that allows enterprises to implement social processes. While the project is still in the early phases, we think we have already paved the way to concrete adoption of the approach. Future and ongoing activities are focused on applying it to real scenarios both within enterprises and public administrations.

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For more information about the project please visit: <http://www.bpm4people.org>.

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³ These components are available online on the WebRatio store. They can be downloaded for free and integrated in any WebRatio installation (<http://www.webratio.com/store>).

⁴ The video is also available on YouTube at the following URL: <http://www.youtube.com/watch?v=7qNV11w1oiA>