Codebook: Social Networking Over Code Andrew Begel, Robert DeLine, Thomas Zimmermann {abegel;rdeline;tzimmer}@microsoft.com

Enhance Coordination

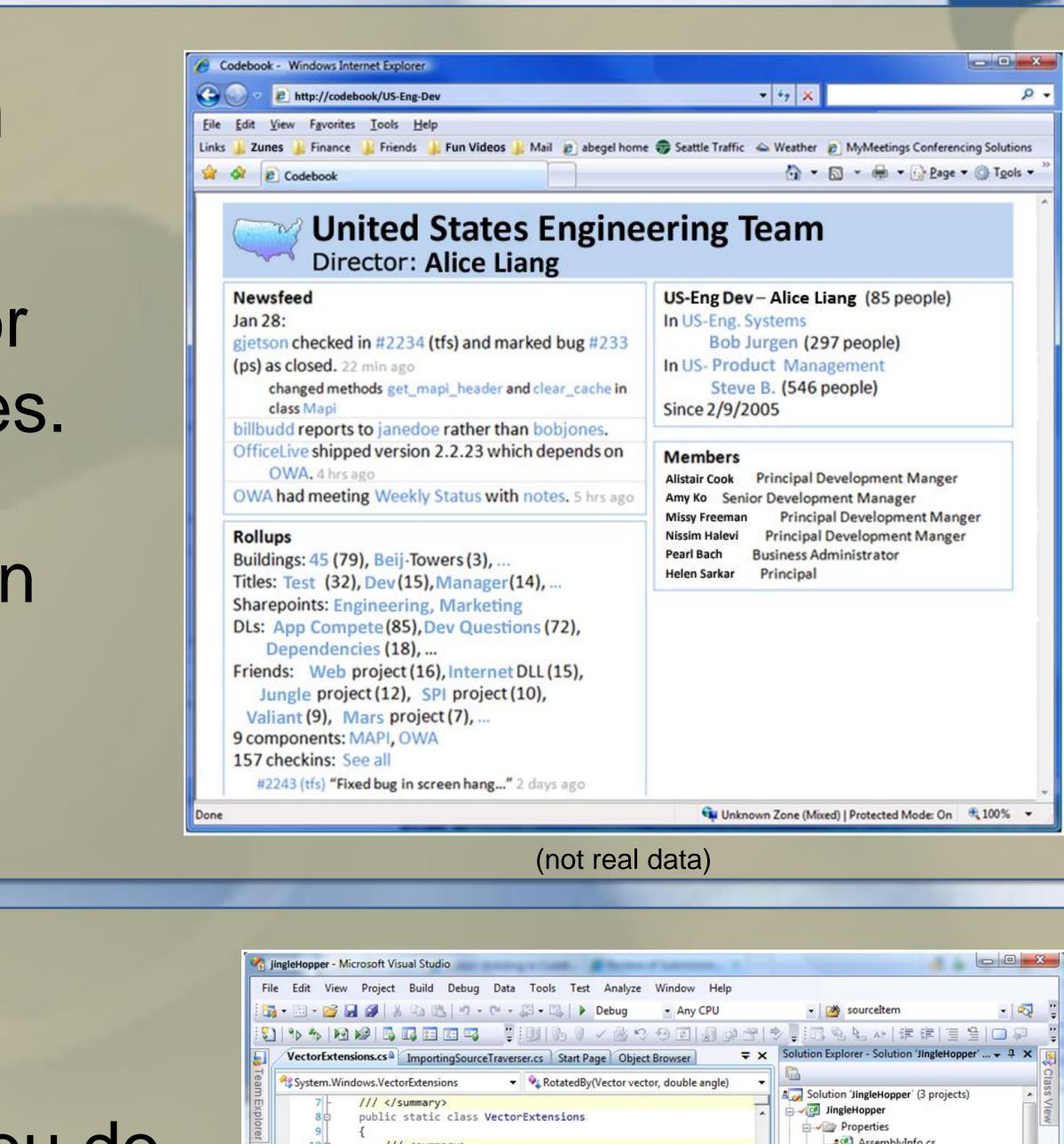
Keep track of what happens on another team without waiting for them to send you status updates. Read their team home page to learn where their documentation lives and on what mailing lists they communicate.

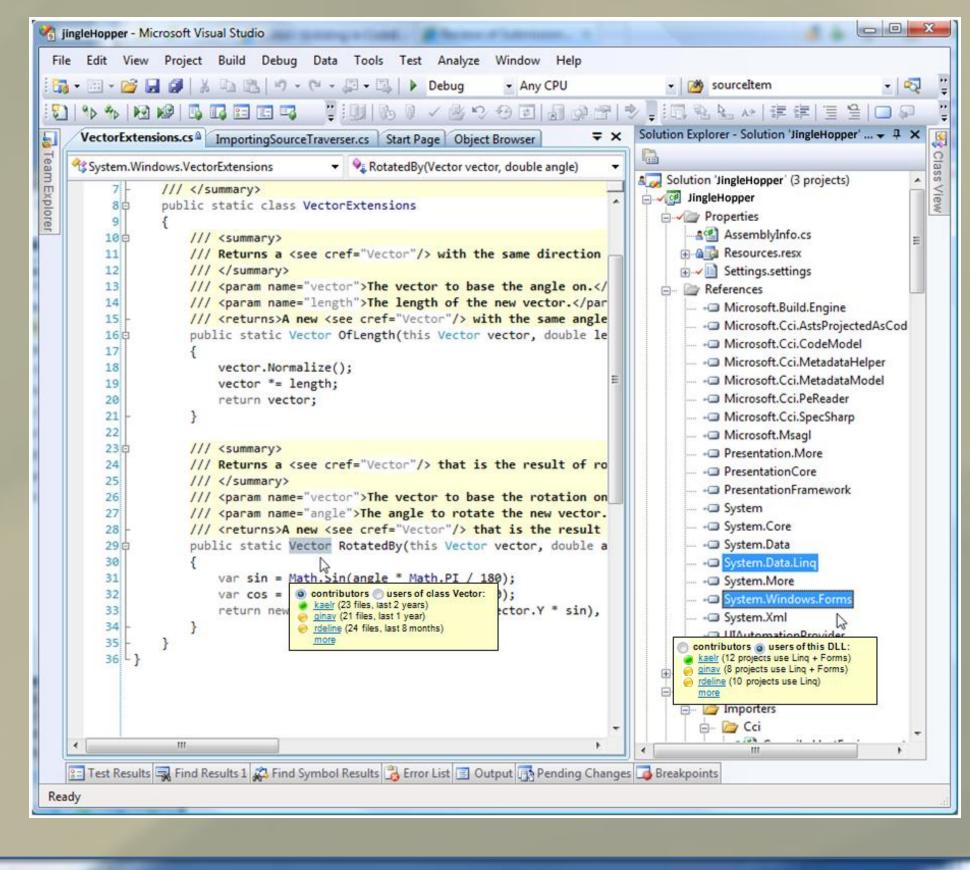
Find Expertise

Find out who wrote the code you do not understand, or discover which person in your social network has expertise using a library you would like to use.

More Scenarios...

- What work has been done to implement this work item?
- Who must I notify if I make this change?
- Who are my dependents? What do they want from me?



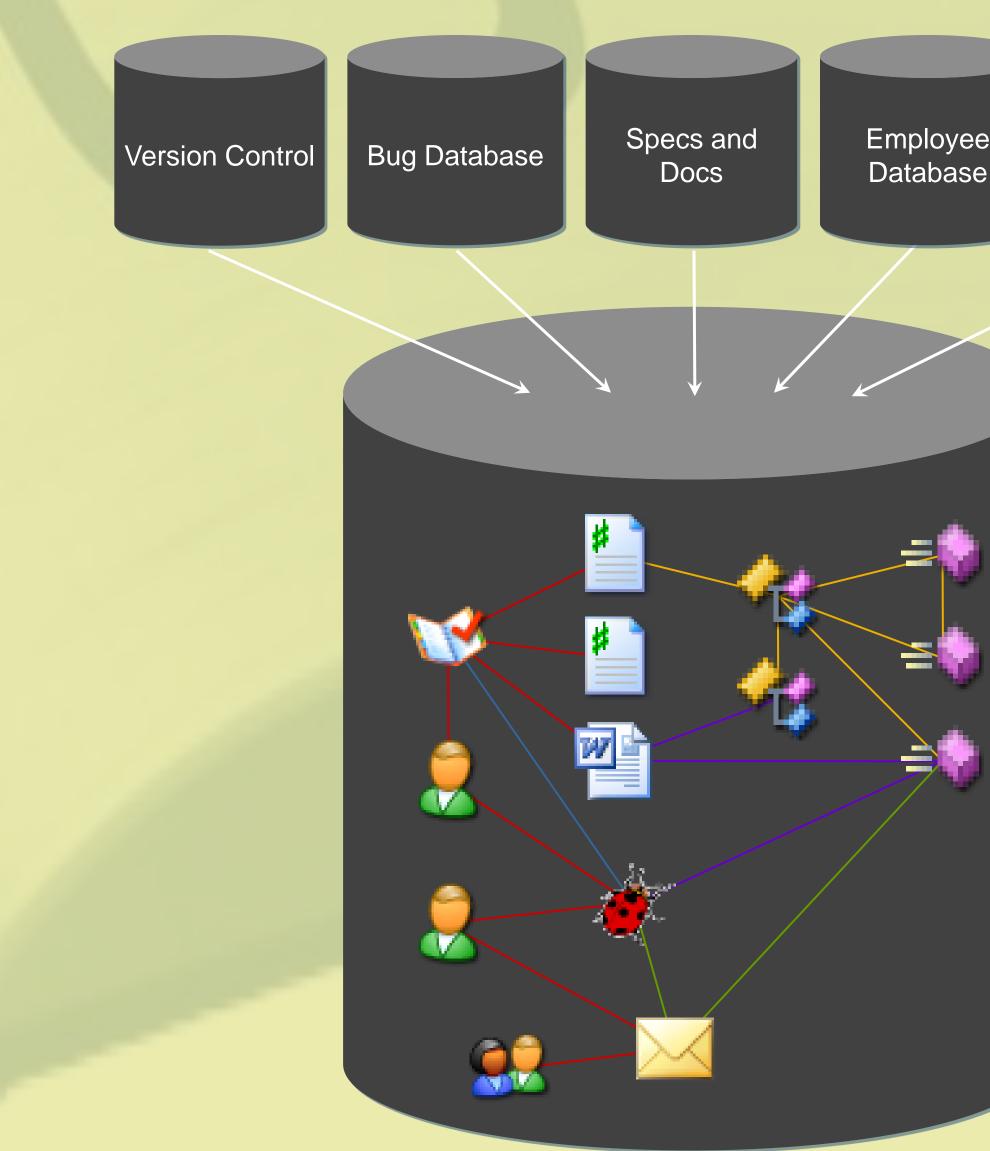


What people on other teams are working on similar features?

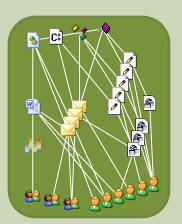
Mine Repositories

Link related artifacts together in a typed graph. Typed paths through the graph reveal hidden relationships. For example,

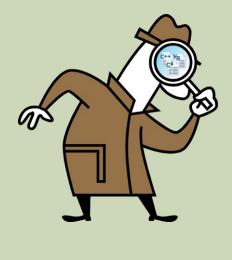
Bob fixes bug #487 by committing checkin #252, which changes the file /foo/bar/moo.cs and modifies the class Vector by adding the field polarCoordinate.



Previous Work



Bridge (Venolia, MSR 2006) Graph linking development-related artifacts together. Textual allusion can find unstructured links.



Deep Intellisense (Holmes, Begel, MSR 2008) Visual Studio add-in for displaying development history and people related to selected code.

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ICSE 2009

