**SPHINX: Project Management Event Subscription System**

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**What is Sphinx?**

- A web based project management event subscription system that can interface with different PM APIs
- A secure window of visibility for employees into projects across the firm
- A centralized channel for communicating about current and upcoming projects
- Keyword and faceted search features that enable users to query for specific project entities and project events
- Customizable feeds of project updates and events based on subscribed entities and saved user-defined queries

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**System Data**

- Comments - User comments are stored for each entity and are viewable by all in the firm who have access to that entity
- Subscriptions - Users can dynamically build feeds of project events via subscriptions to specific entities or saved queries
- Votes - Users can vote for any entity, showing their approval or support of current or future projects
- Watches - User can watch an entity which allows them to automatically receive email notifications of any updates via their project management tool (JIRA)

*Entities refer to initiatives, milestones and risks*

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**Future Improvements**

- More in-depth search functionality, allowing for more refined search
- Increased performance of searching and subscription features
- Integration with email for more real-time notifications
- Mobile friendly interface to enable any-time access

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**Methods Used**

- Java
- MongoDB
- jQuery
- Jersey
- Node.js
- HTML

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**Lessons Learned**

- When new technologies are involved it can be difficult to estimate
- Always define ambiguous terms as soon as possible
- Have your customer test your product early and often. This gives you the most feedback possible early and helps to reduce project risk.