Introduction

Goal
- Aims to provide a SOPHIE desktop tools supporting framework that is capable of supporting integration with a wide range of desktop applications.
- Desktop applications including web browsers (e.g. IE, Firefox, Chrome) and other application (e.g. Microsoft word, Outlook)

State of the Art
- Peer to peer technology
- Social search and implicit collaboration
- Framework development
- Browser development
- Existing SOPHIE system analysis

System Design

The system is structured by three components
- application specific adaptor (e.g. plugin for web browser)
- cross platform common interface that provides access to adaptors
- server side adaptor that handles incoming data

Evaluation

- Extensibility
  - Common interface provided
  - Functional components developed for both .NET framework and J2EE framework
  - Specific applications’ common interface access solution required
- Degree of no-modified framework code
  - Shared code base and design pattern
  - Fix server end including message format
  - Specific applications’ adaptor unfixed
- Flow Control
  - The work flow is explicitly specified
  - SOPHIE Integration

Future Work and Discussion

- Integrate SOPHIE server by generating XML file from existing database.
  - A complete set of activates
  - Attempt to develop windows service for more desktop applications: Outlook, PowerPoint and etc
  - Carry out user activity analyze based on desktop application
  - Action collection for other OS
  - Alternative design: Java Script solution

Further Information

- Contact Information
  - Email: postgraduate@scss.tcd.ie