

Team 9 Final Project Group Proposal: Lost & Found Anonymous Service

Overview:

[First Choice] This proposal is to implement the **lost & found anonymous service**, where:

- Users can register to the site
- Users can register items they own, from which the application will create unique QR codes for them to print out and stick to their item
- If the object is lost & recovered, QR code can be scanned, application will be notified of event & who recovering party was
- Application will coordinate return of the lost item (simulated)

[Second Choice] This proposal is to implement the **“Hashtag”-like feature for Scalica posts**, where:

- Scalica will send every post to be processed at an external Hashtag service
- Hashtag service will classify & index post by topic
- Hashtag service will expose an external API for Scalica to let users **subscribe**, which will return a stream of posts for a given topic
- **Requirement:** Must run a batch MapReduce analytic job over the hashtag data (e.g. sentiment analysis over a hashtag topic)

[Third Choice] This proposal is to implement the **Full text search over Scalica posts**, where:

- After a user posts a message, message will be sent to the service for indexing.
- Service will tokenize the message & append to search index
- **Requirement:** Must define a query language & reply to search queries with a pointer to relevant posts.
- **Optional:** May also implement result scoring