

Links - Project Proposal

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Version

Sl. No.	Date.	Version No.
1	29/03/2014	1

Project Timelines

- Start Date: 31/01/2014
- End Date: 30/06/2014

Objectives of the project

Traditional bookmarking services do not allow storing information on private servers. The application should allow deploying a local server which is capable of the following for every user/client:

- Bookmarking URLs
- Tagging the URLs
- Searching among the links
- Annotations for a given URL
- Multi-user
- Expose an API

Functionalities

This section provides the list of functionalities/features that are planned to be supported in the course of this project.

- Create user accounts/signup.

- Links Management
 - Save links.
 - Edit links.
 - Delete links.
 - Tag links.
 - Annotate links.
 - Classify/Organize links in folders.
- Group Management
 - Create user groups.
 - Join group.
 - Unjoin the group.
 - Add members to the group (by group owner).
 - Remove members from group (by group owner).
- Share Options
 - Via Email.
 - Via Twitter.
 - Via Facebook.
 - Share links with groups.
- Suggestions
 - Suggest tags if same link was shared by others if the links privacy is public.
 - Suggest public links belonging to the same tags.
- Expose APIs
 - Search based on links, annotations, tags at various granularity levels of ownership of the links.
 - APIs to add, delete and edit the links.
 - Android App that consumes the data from the provided APIs.
- Shorten the links - URL shortener.

Project Deliverables

This section gives an overview of the deliverables of the project ‘Links’:

Milestones

The project 'Links' shall have the following milestones that shall be delivered.

- Freezing on the project requirements through requirement gathering sessions with the client.
- Finalization of the Software Requirement Specifications composing both the functional requirements and the non functional requirements.
- High level design including the Architecture Design of the core system and the plugin interface.
- Low level design including the UML diagrams that conforms to MVC architecture.
- Implementataion of the basic and the core functionality of the system.
- Implementataion of the plugin architecture to support plugins.
- Implementation of the REST APIs.
- Implementation of the Android App to consume data through REST APIs.
- Unit Testing of the modules.