Phase 2 Documentation

The Envisioned system will use the following entities which will be generated using the Front end by executing the sequence of steps as mentioned in the 'Front end Sequence Diagram'. The generated entities will be stored in SQL Database.

- Publication
- Conference
- Journal
- Author
- User
- Research Paper
- Note
- Article
- Proceedings
- Inproceedings
- Person

They are also depicted through a Class Diagram provided with Phase 2 Deliverables.

Each of the Entities plays a major role in implementing various use cases as described in the Updated Use Cases deliverable and depicted in the 'Query Engine and UI Sequence Diagram'.

Consider following use-cases for example:

Use#	Brief Description	Entities	Interface.Operation
1	Login with username and Password	User	IAuth.login
2	Find researchers/authors by title or part of the title of any research paper/publication	User, Author, ResearchPaper	IFindResearchers.findAuthorsByResearchPaperTitle/ IFindResearchers.findAuthorsByKeywordsInTResearchPaperTitle
3	Filter results obtained by Location	Author	IFilterResults
4	Find authors that have profile similar to a Author selected by user from the list of authors	Author	findAuthorsSimilarToProfile
5	Find researchers/authors by Author's Name/part of name	Author	IFindResearchers.findAuthorsByAuthorName