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# Reference Management System

Project plan

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## 1. Description of software

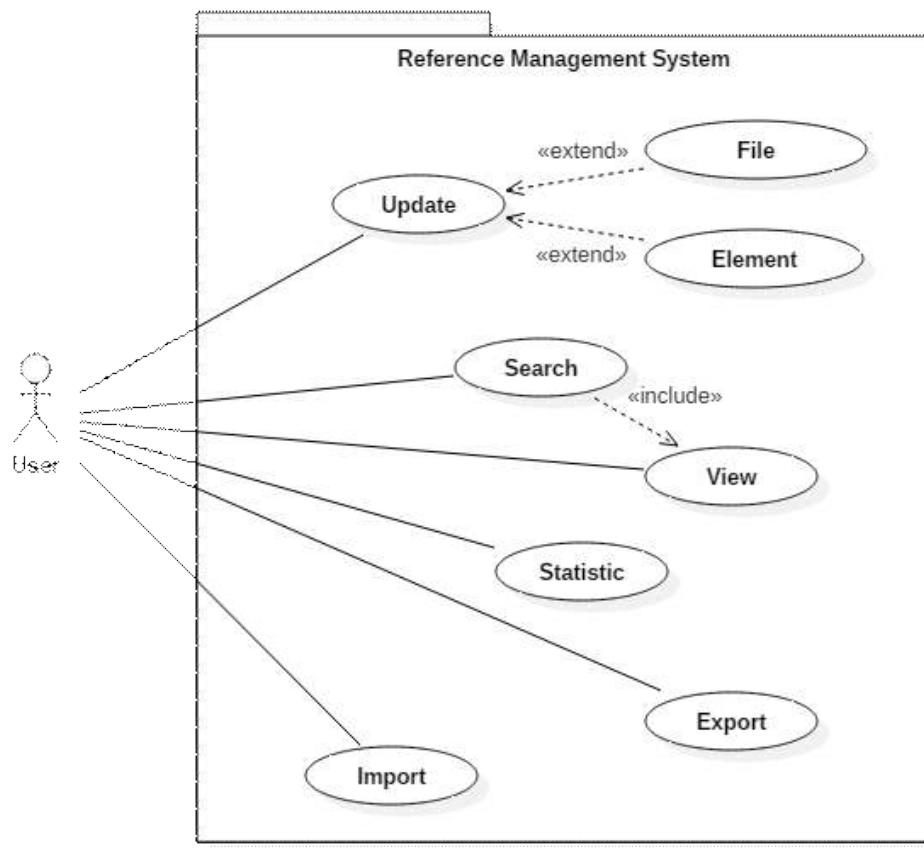


Figure 1. Use-Case Diagram

### (1) Project Name

Reference Management System

### (2) Propose

By using this project model, user can manage(import, export, add bookmark and so on) reference of presswork like article, book or inproceeding.

### (3) Descriptions

#### a. Basic function

##### Import

Our software allow user interface(by command line) to numbers of import bib file(s) of three entity types: 1) Article 2) Book 3) Inproceedings.

##### View

Our software support user interface to update the reference records by importing bib files and by editing their elements.

##### Update

###### - File

Our software support user interface to update the reference records by importing bib files.

###### - Element

Our software support user interface to update the reference records by editing their elements.

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### Statistics

Our software generate statistics of the database:

Number of papers for each entity type, year or specific author.

### Export

Our software support user interface to export the reference record(s) as bib files.

## b. Extra credit

### Search

Our software can search using keywords. (e.g. author, year, ...)

### Group

Support bookmark operation : Create group for bookmarking and add or delete bookmark.

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## 2. Input Data Type & Interface

### (1) Input entry & Field

Input file format : bib

Entry/Field	Common	Article	Book	Inproceedings
<b>Required</b>	author/editor title year	journal volume	publisher	booktitle
<b>Option</b>	volume/number month note key	pages	series address edition url	editor series pages address organization publisher

### (2) Input Interface

When importing a file, input data will be store in dictionary format according to each entry specification.

Required field is minimum input field so if input values do not satisfy required field, the handling exception will be occur.

Option filed is maximum input field so if input values exceed option field, the handling exception will be occur.

### 3. Software Design

#### 1) Sequence Diagram

##### a. Import & Export

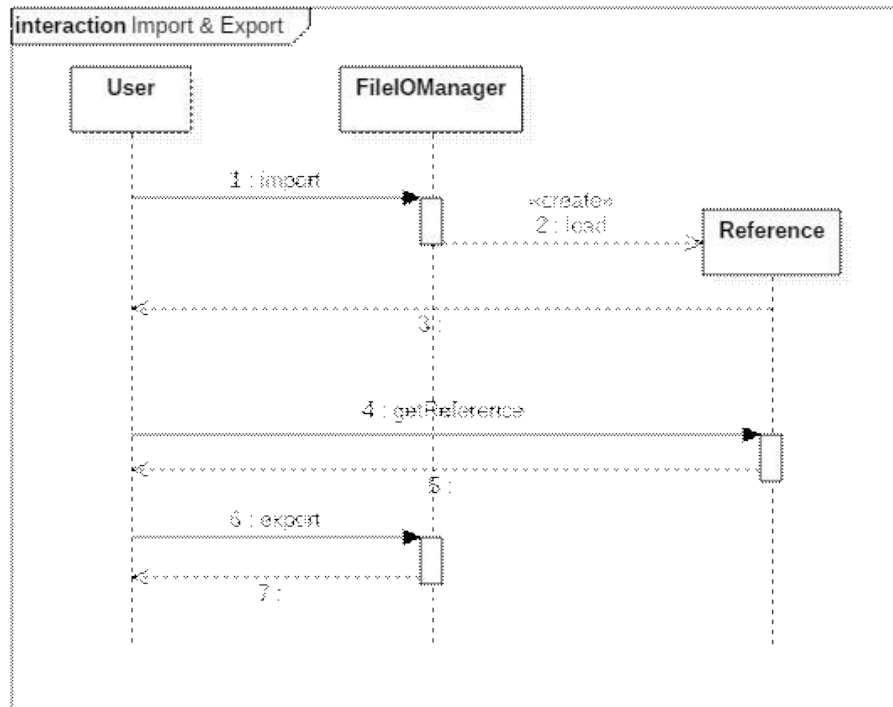


Figure 2. Sequence Diagram of Import & Export interaction

##### b. Search & Group

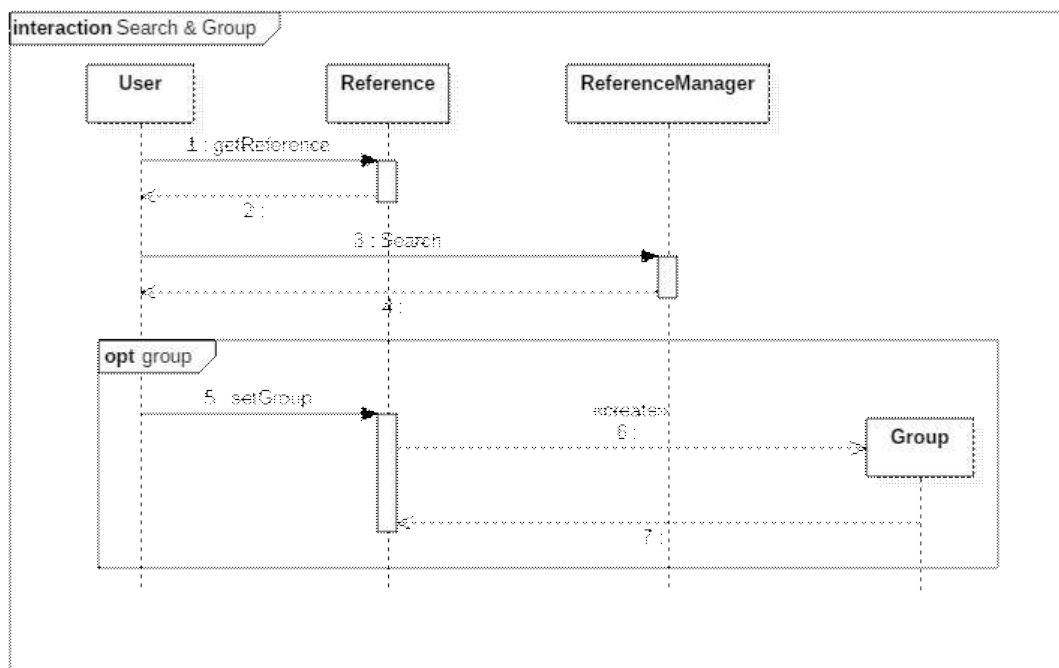


Figure 3. Sequence Diagram of Search & Group interaction

## c. Update

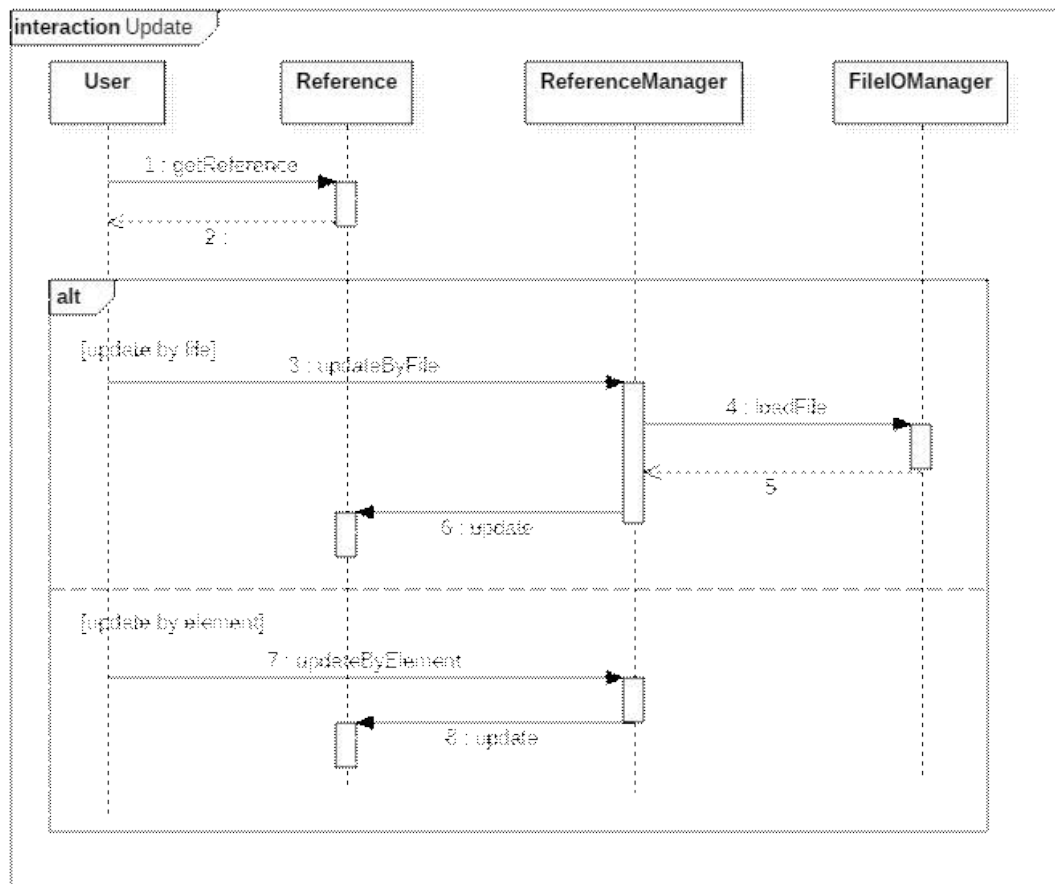


Figure 4. Sequence Diagram of Update interaction

## 2) Class Diagram

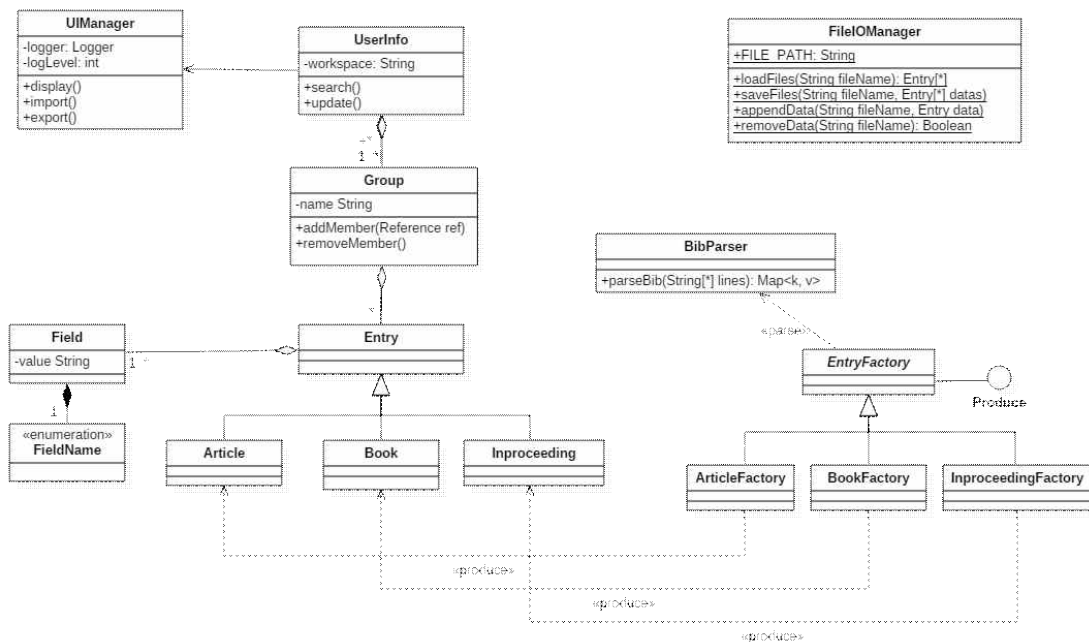


Figure 5. Class Diagram

#### 4. Project Schedule

Month	March	April				May					June
Week	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	5th	1st
Requirement Analysis				Mid Term							
Program Design											
Collect& Analysis Data											
Test Design											
Implement											
Test &Refactoring											
Report											