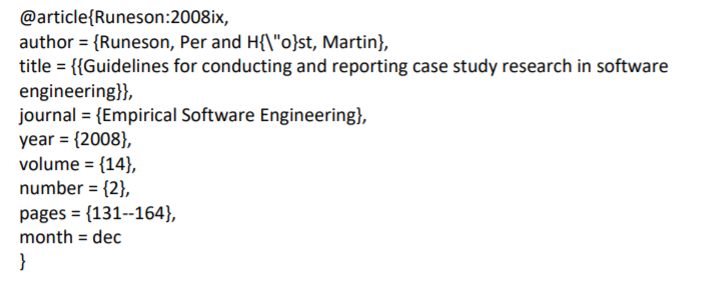
User Stories

Epic 1: As a submitter, I want to upload the bibliographic detail of an article, so that I can share my research with other people in SERLER.

1. As a submitter, I want to upload the bibliographic details by using a standard format text file (e.g. Bibtex format), so that I can manually upload the details of the bibliographic. (Priority-3)

**Success Criteria**:

* The bibliographic details should have the same format, including the title, author, year, source journal/book, (publisher if a book), DOI, number, volume, page numbers.
* The format of the files to upload should be .txt and has the following standard:



* It should be possible to see a previous view of the bibliography before submitting.
* Once the upload is done, SERLER should present a confirmation message.

1. As a submitter, I want to be notified when the status of the article has been changed into accepted or rejected, so that I know the status of my paper immediately. (Priority-3)

**Success Criteria**:

* After the status of the article is changed, the user should receive an email.

Epic 2: As a moderator, I want to check the submissions, so that I can verify the articles in SERLER. (THIS IS NOT TOO PRIORITY)

1. As a moderator, I don’t want to get the pdf version (or the online link) of the article so that I don’t have troubles for copyright. (Priority-4)

**Success Criteria**:

* PDF file format should be denied, showing an error message.

1. I want to use a queue for submitted articles, so that I can do a quality check by priority. (Priority-4)

**Success Criteria**:

* The listed article should not include accepted or rejected articles.
* It should display a list of submitted articles sorted by priority number.

1. As a moderator, I want to be notified by SERLER (after login) when new articles come in the queue so that I can check articles to moderate. (Priority-4)

**Success Criteria**:

* Whenever new article to moderate is entered, the moderator should see the notification through the homepage.

1. As a moderator, I don’t want to manually check duplicated articles so that I don’t need to check the same paper twice. (Priority-4)

**Success Criteria**:

* Whenever duplicates are uploaded, SERLER displays the message, "ERROR: The article already exists."

1. As a moderator, I don’t want to manually check those previously rejected so that I don’t need to check the same paper twice. (Priority-4)

**Success Criteria**:

* Whenever previously rejected articles are uploaded, SERLER should display the message, “ERROR: This article already has been rejected before.”

1. As a moderator, I want to manage separate queues for accepted or rejected articles so that the analyst can work on the accepted articles. (Priority-4)

**Success Criteria**:

* At the end of moderation, the status of the article has to be entered either accepted or rejected.

Epic 3: As an analyst, I want to extract data from the articles, so that it can be stored in SERLER.

1. As an analyst, I want to be notified if there are any papers in the queue ready for analysis so that I can work efficiently. (Priority-5)

**Success Criteria**:

* Notification should be displayed when a new accepted article is inserted.

1. As an analyst, I want to input research design by using a fixed list, so that I can provide information about the article to the user. (Priority-5)

**Success Criteria**:

* A fixed list of the research method used, including case study, field observation, experiment, interview, survey is provided.
* A fixed list of the research participants such as undergraduate students, postgraduate students, practitioners is provided.

**Guide**:

* (Optional) The research question or aim.
* A fixed list of the research method used, including case study, field observation, experiment, interview, survey. It has to be possible to select multiple and flexible to modify, add or delete.
* (Optional) The research metric is to input the research outcome measured and should be possible to input multiple values.
* The research participants as a fixed list contain undergraduate students, postgraduate students, practitioners. It should be flexible to modify the values, and multiple values can be selected.

1. As an analyst, I want to input evidence of research such as benefit and result by using a text box, so that I can provide information about the article to the user. (Priority-5)

**Success Criteria**:

* A text box exists to enter the data as evidence of research.

**Guide**:

* (Not optional) The benefit or outcome under test. The analyst can use a text box for data entry.
* The context of the evidence. The analyst should be entering information about what evidence, by whom, where, when, and how the evidence was gathered. Each data can be entered with a textbox that has shown the front of this titles (what, whom, where, when, how)
* (Not optional) The result of the evidence. Analyst have to choose article is beneficial or not.
* (Optional) Confidence rating assigned. The analyst can choose a five-star rating.
* (Optional) Method implementation integrity. Based on the evidence, the analyst determines the validity of the claim about the implementation of the method of the article.

1. As an analyst, I want to input method by using a standard list, so that I can provide appropriate information of the article to the user. (Priority-5)

**Success Criteria**:

* A standard list exists with default values.

**Guide**:

* The analyst should specify the standard software development methods used in the article from a standard list.
* Default values of the standard list are TDD, BDD, pair programming, planning poker, daily stand-up meetings, story boards, user story mapping, continuous integration, retrospectives, burn down charts, requirements prioritisation, version control and code sharing.

1. As an analyst, I want to input SE methodology by using a fixed list, so that I can provide appropriate information of the article to user. (Priority-5)

**Success Criteria**:

* A fixed list exists to enter the data as a SE methodology.

**Guide**:

* Fixed list of methodology should include Scrum, Waterfall, Spiral, XP, Rational Unified Process, Crystal, Clean room, Feature Driven Development, Model Driven Development, Domain Driven Development, Formal methods, Problem Driven Development, Cloud computing, Service Oriented Development, Aspect Oriented Development, Values Driven Development, Product Driven Development and Agile.
* If the analyst chooses each one of these topics, it has to write a brief sentence in the text box in front of the list item.

1. As an analyst, I want to transfer submitter’s bibliographic information automatically to SERLER, so that I don’t need to do duplicated work. (Priority-5)

**Success Criteria**:

* When they input analysed information into SERLER, matching bibliographic data is automatically displayed.

1. As an analyst, I want to use default values and drop-down lists for the input section, so that the data entering can be quick and easy. (Priority-5)

**Success Criteria**:

* A fixed list of the research method used should include case study, field observation, experiment, interview, survey.
* A fixed list of the research participants should include undergraduate students, postgraduate students, practitioners.
* A standard list of SE method for each evidence should include TDD, BDD, pair programming, planning poker, daily stand-up meetings, story boards, user story mapping, continuous integration, retrospectives, burn down charts, requirements prioritisation, version control and code sharing.
* A fixed list of SE method, technique or tool should include Scrum, Waterfall, Spiral, XP, Rational Unified Process, Crystal, Clean room, Feature Driven Development, Model Driven Development, Domain Driven Development, Formal methods, Problem Driven Development, Cloud computing, Service Oriented Development, Aspect Oriented Development, Values Driven Development, Product Driven Development and Agile.

1. As an analyst, I want to extract some of the information automatically in the future, so that I can work efficiently. (Priority-6)

**Success Criteria**:

* Information such as specified SE methods or practices, research methods and research outcomes are listed up automatically for analyst.

Epic 4: As a user, I want to search for articles in SERLER, so that I can find relevant information.

1. As a user, I want to use searching condition such as an author name, article title and SE method by using operator, so that I can have an appropriate result. (Priority-1)

**Success Criteria**:

* Any author name is successfully used to search for articles.
* Any title of the article succeeds to search for articles.
* Any SE methods succeed to search for articles.

1. As a user, I want to combine a set of searching constraints, so that I can have a more detailed result. (Priority-1)

**Success Criteria**:

* Constraints are possible to be combine.
* Combined constraint successfully executes without any error.

1. As a user, I want to specify a range of the date by using a pop-up calendar, so that I can limit the date range. (Priority-1)

**Success Criteria**:

* Searching results display correctly, under a limited range of date.

1. As a user, I want to have pull-down values where appropriate (e.g. SE methodology), so that I can simply search in SERLER system. (Priority-1)

**Success Criteria**:

* SE method in searching constraint has a pull-down function.

1. As a user, I want to save my search constraint so that I can run those queries later to get the latest results. (Priority-2)

**Success Criteria**:

* Users can see the history of their searching constraint and re-use them.

1. As a user, I want to customise my search result, specifying what fields to display so that I can save time. (Priority-2)

**Success Criteria**:

* SERLER’s result columns are changed (hide, show) by user.
* Results should be ordered by configuration from the user.

1. As a user, I want to manage my profile, so that I have a place to see the status of my submissions and other people profile. (Priority-6)

**Success Criteria**:

* Every user allows change their personal information in their personal profile page.
* The username could not change to an exists one.
* The password at least 6 characters and it must include at least one letters and numbers.
* Every user could apply its permission from a normal user to be an analyst or moderator.

1. As a user, I want to see accepted and analysed article list after I logged-in, at first, so that I can have a quick look. (Priority-1)

**Success Criteria**:

* Accepted and analysed articles are displayed for user who logged-in, at first.

Epic 5: As an administrator, I want to manage roles and records, so that SERLER can have a good internal structure.

1. As an administrator, I want to accept users, moderators, and analysts, so that the system can be easily managed. (Priority-6)

**Success Criteria**:

* Permission page show all the users (group by role), and that page only show to administrator, the users details as below:
  + User login name (it must be unique)
  + Password (encrypted)
  + User full name
  + User email
  + User Affiliation (institution or organisation)
  + Permission
  + Password
  + Status
* The administrator needs to confirm the users accept that the user applies to be a moderator or an analyst, then the permission will go into effect.

1. As an administrator, I want to create registered users, moderators, and analysts, so that the system can be easily managed. (Priority-6)

**Success Criteria**:

* Administrator clicks the create a new user button.
* At least need to add user’s
  + login name
  + password
  + permission
  + the status is active

after that, the user can login the system immediately.

* If set the same name with other users, SERLER will show “the username already exists, please change it.”

1. As an administrator, I want to modify registered users, moderators, and analysts, so that the system can be easily managed. (Priority-6)

**Success Criteria**:

* Permission page show all the users (group by role), and that page only show to administrator.
* There offers a check box for each user and a modify button, administrator need to take the check box before edit the user‘s information:
  + Permission
  + Password
  + Email
  + Status
* Administrator can change the user permission and account status, and it worked immediately.
* After the administrator change something, it will work immediately.

1. As an administrator, I want to delete registered users, moderators, and analysts, so that the system can be easily managed. (Priority-6)

**Success Criteria**:

* Permission page offers a delete button, administrator need to take the check box before delete the user.
* After the administrator deletes any user, the user cannot login immediately.

1. As an administrator, I want to modify or delete any evidence records in SERLER, so that I can be happy managing the SERLER system. (Priority-6)

**Success Criteria**:

* The log page shows all the log, and that page only show to administrator.
* There offers a check box for each log and a delete button, administrator need to take the check box before delete the log.
* After the administrator deletes any log, the log despairs from the log page immediately, even refresh the page, the log not show in the page anymore.

1. As an administrator, I want to protect the system with a log in, so I can authenticate the people which access to SERLER. (Priority-6)

**Success Criteria**:

* There need to require authentication when the user login.
* There have one DB to log that information.
* If the person is not login, it will show the message:" Please login first"