1. What are the major Activities in requirement Determination

Requirements Anticipation:

-It predicts the characteristics of system based on previous experience which include certain problems or features and requirements for a new system.

-It can lead to analysis of areas that would otherwise go unnoticed by inexperienced analyst. But if shortcuts are taken and bias is introduced in conducting the investigation, then requirement Anticipation can be half-baked.

Requirements Investigation:

-It is studying the current system and documenting its features for further analysis.

-It is at the heart of system analysis where analyst documenting and describing system features using fact-finding techniques, prototyping, and computer assisted tools.

Requirements Specifications:

-It includes the analysis of data which determine the requirement specification, description of features for new system, and specifying what information requirements will be provided.

-It includes analysis of factual data, identification of essential requirements, and selection of Requirement-fulfillment strategies.

1. Write 10 user stories that fits for a **library management project** with Student, teacher and librarian as roles, with its acceptance criteria

Ans:

Story ID: US001

* As a Librarian admin, I want a login page so that I can manage other users permissions
* Priority: 5/5
* Acceptance Criteria:

Design as per mockup or not

Frontend and backend authentication

Password length sufficient

Landing dashboard design exist

Story ID: US002

* As a Student, I want a Book cart page so that I can add books to borrow
* Priority: 4/5
* Acceptance Criteria:

1. Records should unique
2. Options of add and delete
3. Sort by date

          Story ID: US003

* As a Teacher, I want to recommend books to student
* Priority: ⅘
* Acceptance Criteria:

1. Borrow books
2. Share books to students
3. Order new Books

Story ID: US004

* As a Librarian admin, I want a update page so that I can update and modify the records of books
* Priority: 5/5
* Acceptance Criteria:

1. Option to add, delete and modify the books
2. Option for sorting
3. Student/teacher info who have borrow book
4. Allow to send waring notification for late return

Story ID: US005

* As a Student, I want to a reserve books
* Priority: ⅘
* Acceptance Criteria:
  + Allows to check current status of book
  + Late return
  + Unreturned books
  + Order new book in reserve

Story ID: US006:

* As librarian admin,I want to check current status of books
* Priority:5/5
* Acceptance Criteria:
  + Location of books
  + Status of books
  + Timetable of book reserved
  + Fine for late submission

Story ID: US007

* As a teacher, I want to record my booklist so that I can know what I have read.
* Priority: ⅘
* Acceptance Criteria:

1. Records should unique

2. Options of add and delete

3. Sort by date

Story ID: US008

* As a Student, I want a search feature so that I can search books by name and author name .
* Priority: ⅘
* Acceptance Criteria:

1. Records should unique

2. Options of search by name and author

Story ID: US009

* As a librarian, I want to make a report .
* Priority: ⅘
* Acceptance Criteria:

1. Name of books

2. Student and teacher’s id

3. Payment

Story ID: US010

* As a student, I want to renew features so that I can renew the date of return.
* Priority: ⅘
* Acceptance Criteria:

1. Select the book to be renewed

2. Add date or time for reserved books.

3. Payment

4. If a book is reserved then error messages occur.

**Client**

* Dashboard

Story ID:US004

* As a admin, i want to be able to view the list of users in the system
* Priority: High
* Acceptance Criteria:
  + Scenario-1: The Admin in in the pressed users option on the navigaton
    - Given that I am logged in as an admin and am on the users page.

When I am on the page.

I see the list of users.

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| **Comments** |
| Details: Write user stories with detail acceptance criteria Show dependencies between the user stories Mention estimation for each user stories(volume of work) This can be done in difficulty level (fibo, T-Shirt size or Hrs) any one For storypoints: https://www.youtube.com/watch?v=MrIZMuvjTws |
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ADMIN:

1. Story ID : US001

As an admin, I want to login/logout into the system directly so that I can manage other users.

Dependency: N/A

Story points:

Acceptance Criteria:

Assuming user already exist in the system.

Data Dictionary as provided.

Design as per mockup1.

Username and password should be given in the field and click on the login button.

Username must be an email field.

Password should be 8-20 characters.

Username and password are mandatory fields.

If login is failed the “invalid username or password ” message should be displayed, login page is landing page.(Design as per mockup1)

Successful login should redirect to the dashboard page.

Login records should be stored in the history page.

Session should be destroyed after clicking the logout button and should be redirected to the home page.

2.Story ID : US002

As an admin, I want to view all users in the system so that I can manage other users..

Dependency: US001

Story points:

Acceptance Criteria:

All user should be visible including username, email, password and description

Design as per mockup 2.

All details should be in tabular format.

The system should have a search button for username.

The system should show details about specific user after search.

Records should be unique.

Records can be sorted by name and date.