Project Description: Rental Management Application

Project Overview:

A Rental Management Application is a comprehensive software solution developed to facilitate the management of rental properties, ensuring that property owners, property managers, and tenants can effectively and efficiently handle all aspects of the rental process. The application serves as a centralized platform for various tasks, including property listing, tenant onboarding, lease management, maintenance requests, and financial transactions.

Key Features and Functionalities:

1. Property Listings:
   - Property owners can create detailed listings of their rental properties, including property descriptions, rental rates, and high-quality photos.
   - Property managers can easily organize and promote available properties for rent.
2. Tenant Management:
   - Property managers can manage tenant information, including tenant applications, references, and lease agreements.
   - Tenants can submit applications, review lease terms, and communicate with property managers.
3. Lease Tracking:
   - The application helps property managers and property owners keep track of lease agreements, including lease terms, renewal dates, and rent payments.
4. Maintenance Requests:
   - Tenants can submit maintenance requests and track their status.
   - Property managers can assign and manage maintenance tasks efficiently.
5. Financial Management:
   - The application enables property owners and managers to handle financial transactions, including rent collection.
6. Communication and Messaging:
   - The application includes communication tools for property managers, property owners, and tenants to exchange messages and notifications.
7. Document Management:
   - Users can store and manage essential documents such as lease agreements, rental applications, and property inspection reports.
8. Reporting and Analytics:
   - The application provides insights into property performance, financial data, occupancy rates, and maintenance history through reports and analytics.
9. Security and Data Protection:
   - Robust security measures ensure the safety of sensitive data, including personal and financial information.

Practice Assignment 3: Requirement Engineering Process

Your project is progressing as scheduled but suddenly, a problem arises: After a meeting with stakeholders, your manager decides that your project needs to include more details in the system's requirements. Reread project Description again then complete the following tasks.

I. Requirements Elicitation: (30%)

"User Story" will be used as "Functional Requirements" of the project. Since the scope of our project is small, all "Non-Functional Requirements" will belong to the associated "User Story".

1. Identify your "**Actor**" by making sure that your "**User Stories**" follows structure: "As a [**Actor**], I want [an action] so that [I can achieve a goal/benefit]". Each "**Actor**" must be included in at least 2 "**User stories**"
2. Create a "**Acceptance Criteria**" checklist for each "**User stories**", use them to list at least 2 "Non – functional requirements" associated with that "Functional Requirements".

II. Requirements Analysis (30%)

After analyzing the requirements your Project Manager finds that some functionalities could be defined as prerequisites for one or more other functionalities. If a "User story" is a Dependent Task (A task that relies on the successful completion of another task before it can start execution) it must start at least one day after it's Predecessor Task completion.

1. Set "**Due day**" for each "**User stories**".
2. Create at least 4 Dependent Task for your "**User story**" by utilizing the Dependency power up.
3. Rescan your Trello Board then try to resolve any inconsistencies if available.

III. Requirements Validation. (20%)

Your project has a deadline now, your team must complete every "User story" before the Final Laboratory Session

1. Your entire project must be finished before the Final Laboratory Session.
2. Each member of your group must be assigned to at least one "User story".

IV. Make sure that your board mirrors your current progress. (20%)