Hospital Management System

The client's need is a software that can help them to register patient and to generate bill reports.

Requirements: • Patient information management:

The software should be able to store and manage patient information such as name , address, contact details, insurance information, medical history.

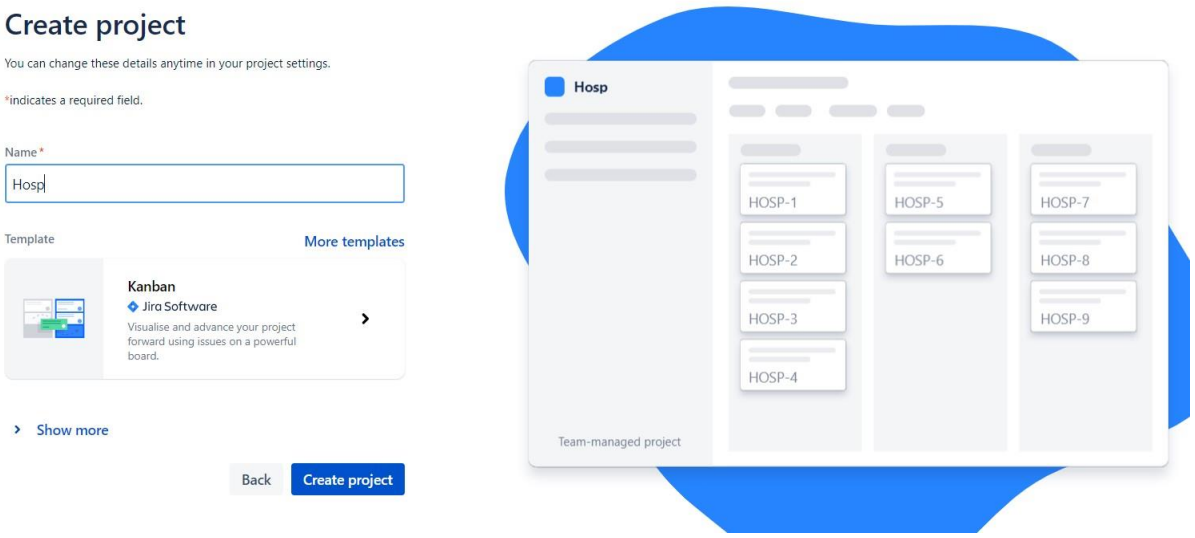
- Billing and invoice:
  The software db able to generate invoice and bills for patient, including details such as services, charges, payment due dates etc.
- Payment processing:
  The software should be able to process payment from patients, including credit details ,card payments, electronic funds transfer and other payments method.
- Insurance claim management:
  The software should be able to manage insurance claims, including submitting claims to insurance companies and tracking the status of claims.
- Reporting and analytics:
  The software should be able to generate reports and analytics related to patient billing, such as revenue reports, payment reports patient payment history.
- Integration with other system:
  The software should be able to integrate with other healthcare system, such as electronic health record system, to ensure seamless date exchange and accurate patient billing.

Risks:-

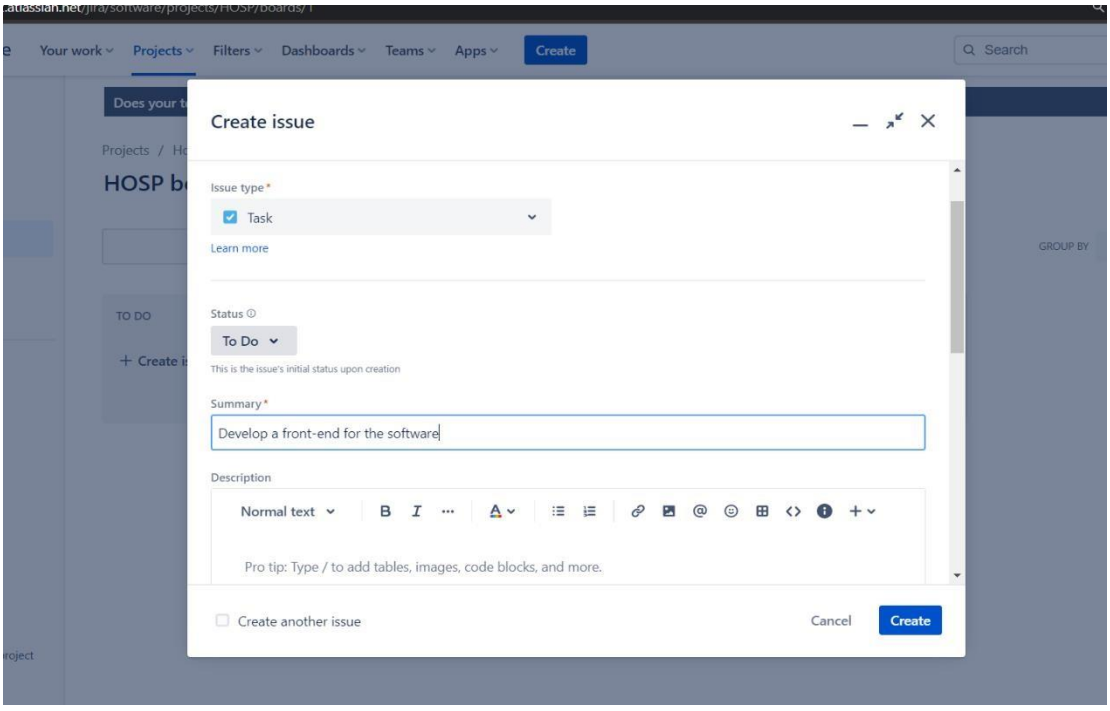
- Security branches:- Patient billing software may contain sensitive patient data such as personal information ,payment details, and health records. If the software is not secure, it could be vulnerable to security branches, lending to theft or misuse of patient data.
- System downtime:- Any system down time in patient billing software may result in delayed billing and payment processing, which can lead to financial loss for the healthcare organization.
- Integration issues:- If the patient billing software is not integrated with other healthcare system such as EHRS it may result in errors and inaccurate in billing and payment processing.

Configure JIRA for managing the project to solve the identified problem.

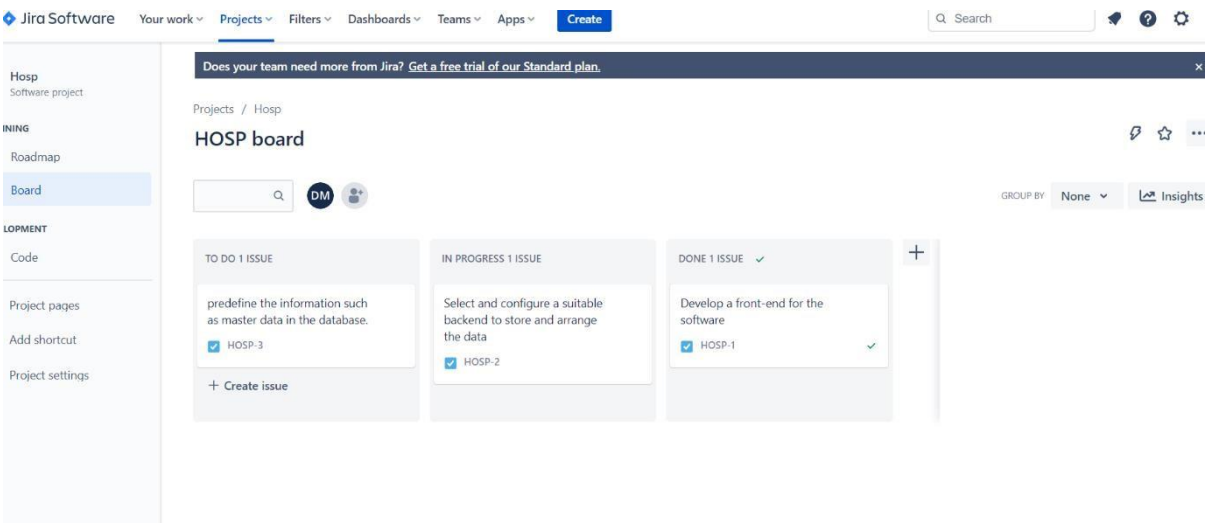
STEP 1: Click on the project button – Your created projects will be displayed.



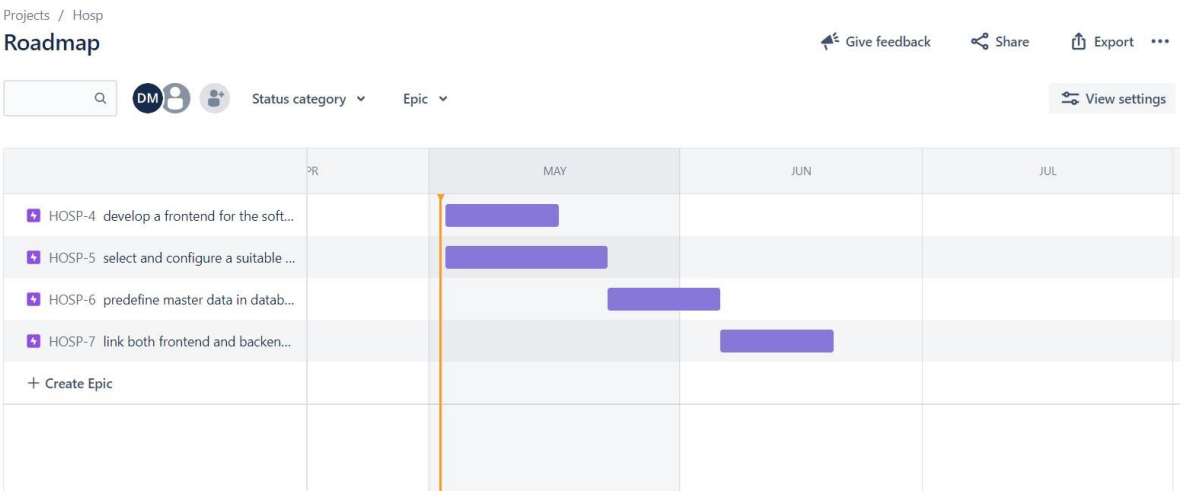
STEP 2: create an issue .



STEP 3: Click on Board and drag the issues to its respective fields.



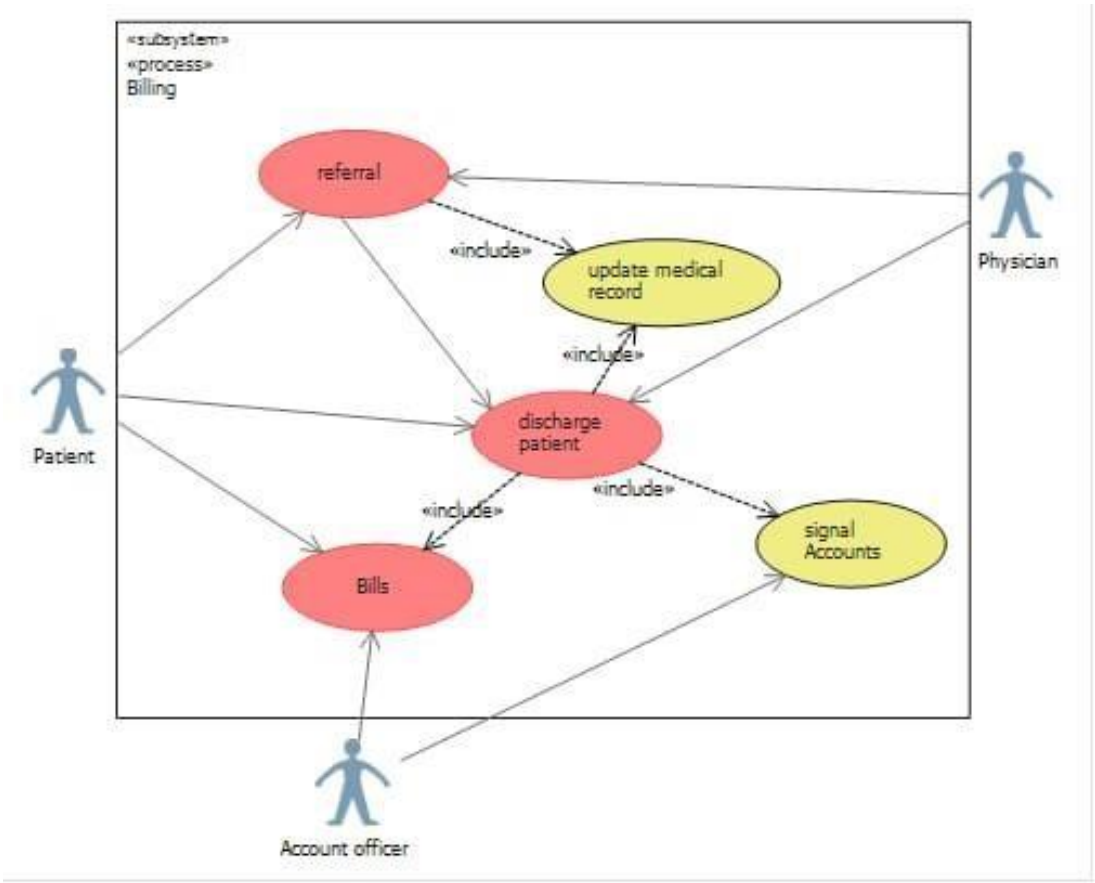
STEP 4: Click on Roadmap and create the Epic and child processes.



STEP 5: Share the Project to the users.

UML Diagram:

Use case Diagram



User stories on a hospital management system:

TITLE: Patient details	**Priority:** High	**Estimate:** 2
User Story-Receptionist As a Receptionist I want to add patient information to the system So that I can create a billing account for patient		
Acceptance Criteria: Given that the receptionist want to add patient information , When the patient is been first registered, So that the records can be maintained		

TITLE: Billing	**Priority:** High	**Estimate:** 2
User Story- Billing Clerk As a Billing Clerk I want to view patient billing history So that I can create a billing account for the patient		
Acceptance Criteria: Given that the Billing Clerk want to keep track of billing history, So that he can create a billing account for the patient		

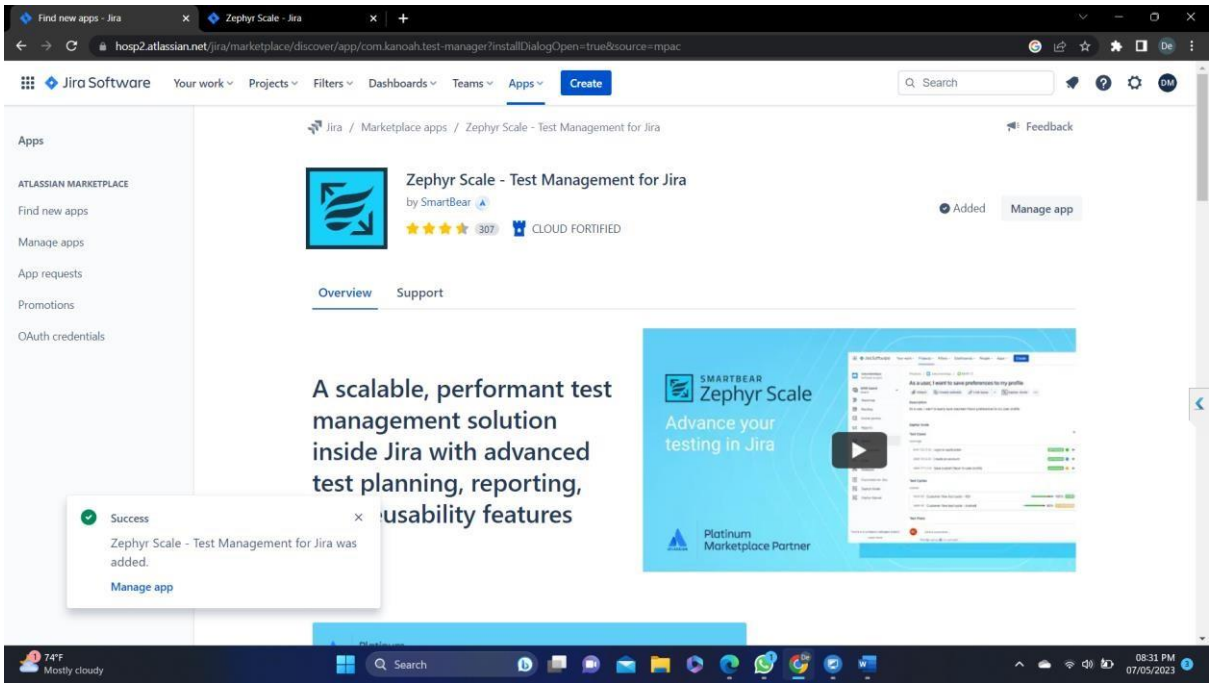
TITLE: Patient	**Priority:** High	**Estimate:** 2
User Story- Patient As a Patient I want to view and pay bills online So that I can conveniently manage my bills and payments.		
Acceptance Criteria: Given that the patient want to view and pay bills online, When the patient is been discharged, So that patient can conveniently manage my bills and payments		

TITLE: Security	**Priority:** High	**Estimate:** 2
User Story-IT Administrator As a IT Administrator I want to ensure data security and privacy So that I can protect patient information from unauthorized access		
Acceptance Criteria: Given that the IT Administrator want to ensure data security and privacy , When there is any unauthorized access, So that the records can be safe.		

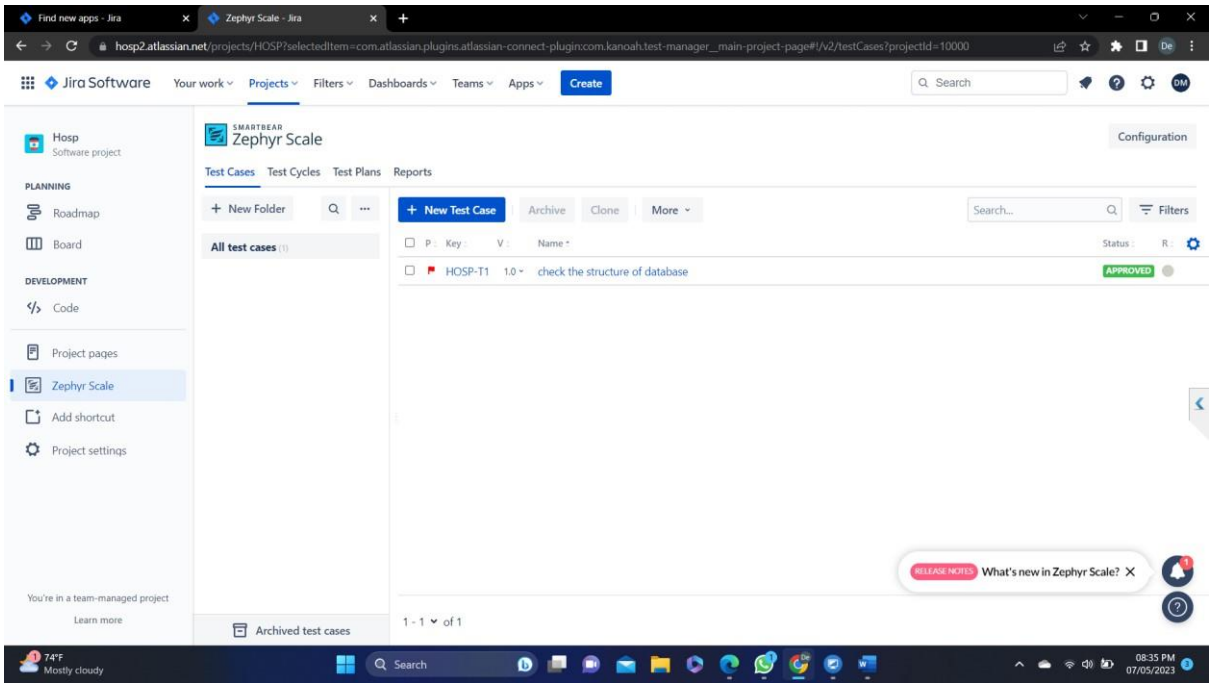
TITLE: Financial details	**Priority:** High	**Estimate:** 2
User Story-Financial Analyst As a Financial Analyst I want to analyse billing data to identify trends and opportunities So that I can provide insights to help the practice optimize revenue and reduce costs		
Acceptance Criteria: Given that the Financial Analyst want to analyse billing data to identify trends and opportunities, So that he can provide insights to help the practice optimize revenue and reduce costs		

Test plan suite for above user stories using jira

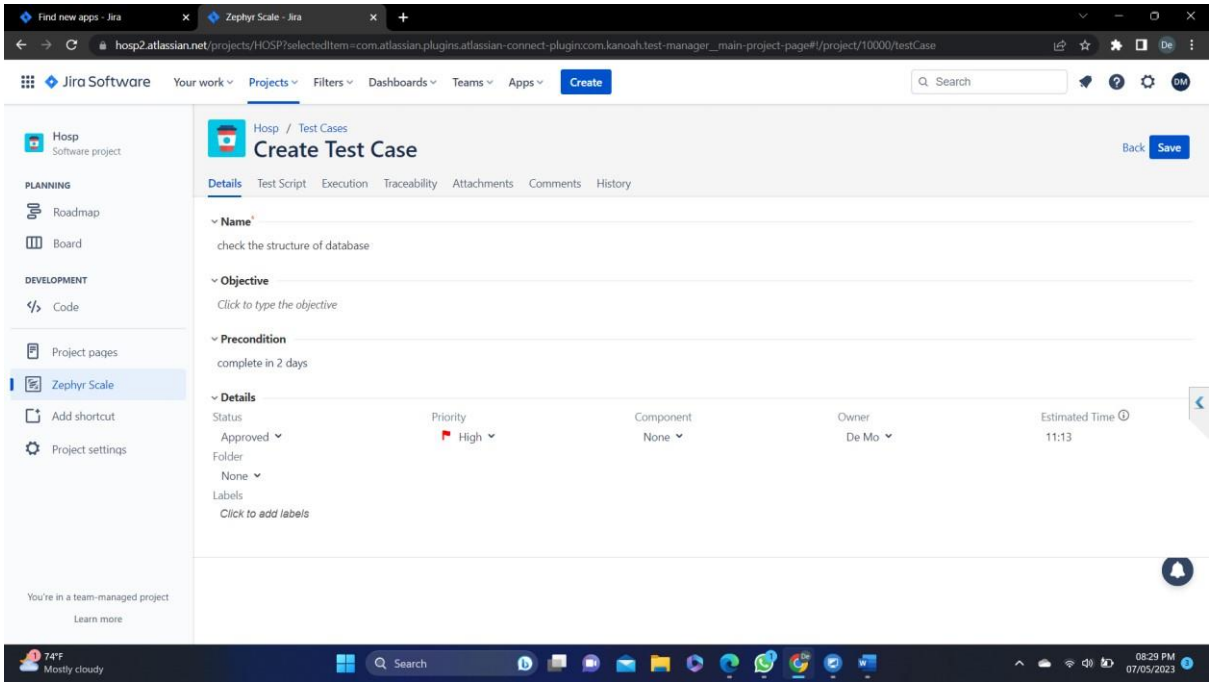
Step 1: Install Zephyr Scale – Test Management for Jira.



Step 2: Create Test Suite (case) for your project



Step 3: Add the details for your test suite.(case)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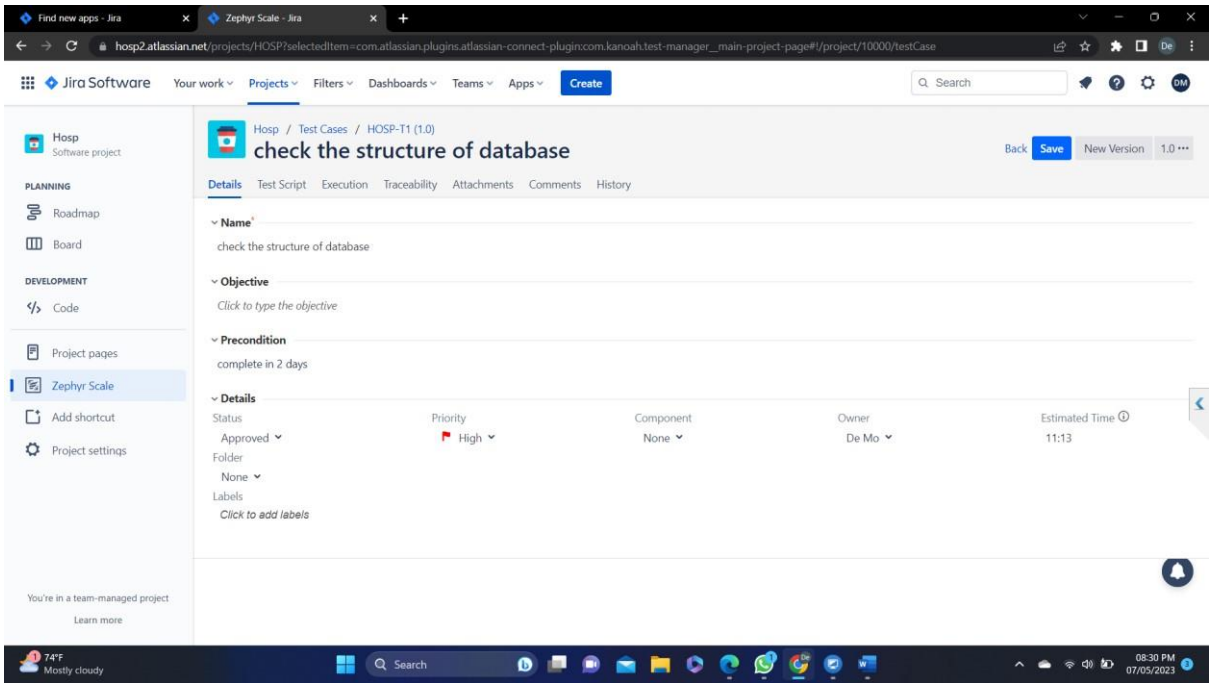
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