

Exp No 2

230701224

Functional Requirements

The screenshot shows the Jira Backlog for the project 'Student Database Management System'. The interface includes a left sidebar with navigation options like Overview, Boards, Work items, Backlogs, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, and Artifacts. The main area displays a table of work items with columns for Order, Work Item Type, Title, State, Effort, Business Area, and Tags. The work items are organized into a hierarchy of Epics, Features, and User Stories. The right sidebar shows the 'Planning' section with a 'New Sprint' button.

Order	Work Item Type	Title	State	Effort	Business Area	Tags
	Epic	Student Information Management	New		Business	
	Feature	Add New Student	New		Business	
	User Story	As an Admin, I want to add new student details to kee...	New		Business	
	Task	Design database schema for student profiles.	New			
	Feature	View Student Profile	New		Business	
	User Story	As a Teacher, I want to view student profiles to track p...	New		Business	
	Task	Create UI forms for add, update, view, delete opera...	New			
	Epic	Academic Records Management	New		Business	
	Feature	Add Academic Record	New		Business	
	User Story	As an Admin, I want to add grades and performance r...	New		Business	
	Task	Define schema for storing academic records (subje...	New			
	Feature	View Academic Records	New		Business	
	User Story	As a Teacher, I want to view academic records to asses...	New		Business	
	Task	Implement UI to manage academic data.	New			
	Epic	Attendance Management	New		Business	
	Feature	Mark Attendance	New		Business	
	User Story	As a Teacher, I want to mark student attendance daily.	New		Business	
	Task	Create attendance interface for marking daily atten...	New			
	Feature	View Attendance History	New		Business	
	User Story	As an Admin, I want to view student attendance histor...	New		Business	

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Order	Work Item Type	Title	State	Effort	Business Area	Tags
	Task	Create attendance interface for marking daily atten...	New			
	Feature	View Attendance History	New		Business	
	User Story	As an Admin, I want to view student attendance histor...	New		Business	
	Task	Implement ability to update attendance for past da...	New			
	Epic	Report Generation	New		Business	
	Feature	Generate Student Performance Report	New		Business	
	User Story	As an Admin, I want to generate performance reports ...	New		Business	
	Task	Design templates for academic and attendance rep...	New			
	Feature	Download & Share Reports	New		Business	
	User Story	As a Teacher, I want to download and share a student ...	New		Business	
	Task	Implement download and share functionality, allow...	New			
	Epic	User Authentication & Roles	New		Business	
	Feature	User Registration	New		Business	
	User Story	As a New User, I want to register an account to access...	New		Business	
	Task	Build registration and login functionality.	New			
	Feature	User Login	New		Business	
	User Story	As a User, I want to log in securely to access the system.	New		Business	
	Task	Set up password reset via email or security questio...	New			
	Epic	Communication & Notifications	New		Business	
	Feature	Send Notifications	New		Business	

Student Database Man... +

Overview

Boards

Work Items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Artifacts

Project settings

Student Database Management System Team

+ New Work Item

View as Board

Column Options

Backlog

Analytics

	Order	Work Item Type	Title	State	Effort	Busin...	Value Area	Tags
Feature		▼	User Registration	New			Business	
User Story		▼	As a New User, I want to register an account to access...	New			Business	
Task			Build registration and login functionality.	New				
Feature		▼	User Login	New			Business	
User Story		▼	As a User, I want to log in securely to access the system.	New			Business	
Task			Set up password reset via email or security questio...	New				
Epic		▼	Communication & Notifications	New			Business	
Feature		▼	Send Notifications	New			Business	
User Story		▼	As an Admin, I want to send notifications to students ...	New			Business	
Task			Implement admin panel to create and send notifica...	New				
Feature		▼	View Notification History	New			Business	
User Story		▼	As a Student, I want to view my notification history.	New			Business	
Task			Build notification viewer for users.	New				
Epic		▼	Data Security & Compliance	New			Business	
Feature		▼	Data Encryption	New			Business	
User Story		▼	As a Security Officer, I want to encrypt sensitive stude...	New			Business	
Task			Implement data encryption (at rest and in transit).	New				
Feature		▼	Role-Based Access Control (RBAC)	New			Business	
User Story		▼	As an Admin, I want to control access based on user r...	New			Business	
Task			Set up automated daily/weekly backups.	New				

Planning

Drag and drop work items to include them in a sprint.

Student Database Management System

Iteration 1

No work scheduled yet

Iteration 2

No work scheduled yet

Iteration 3

No work scheduled yet

+ New Sprint