SOFTWARE ENGINNERING PROJECT

CONFERENCE ROOM BOOKING SYSTEM

PROJECT PLANNING

TEAM MEMBERS

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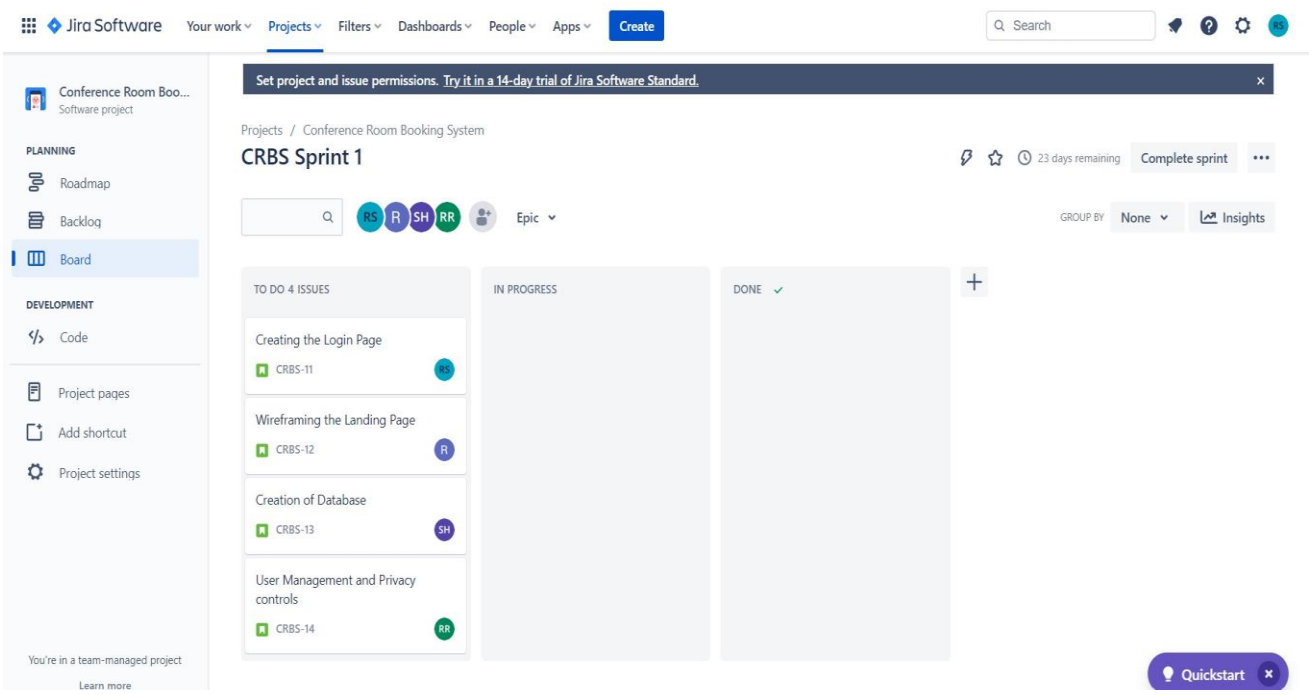
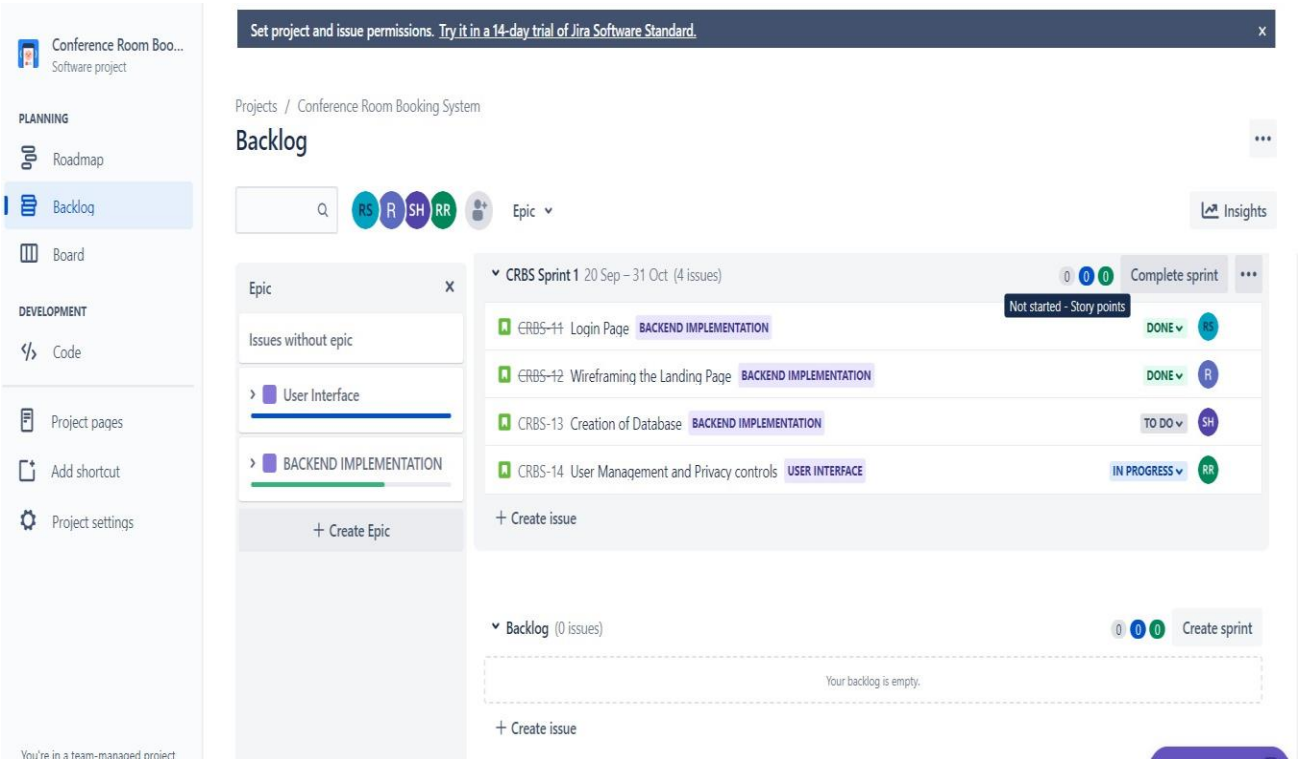
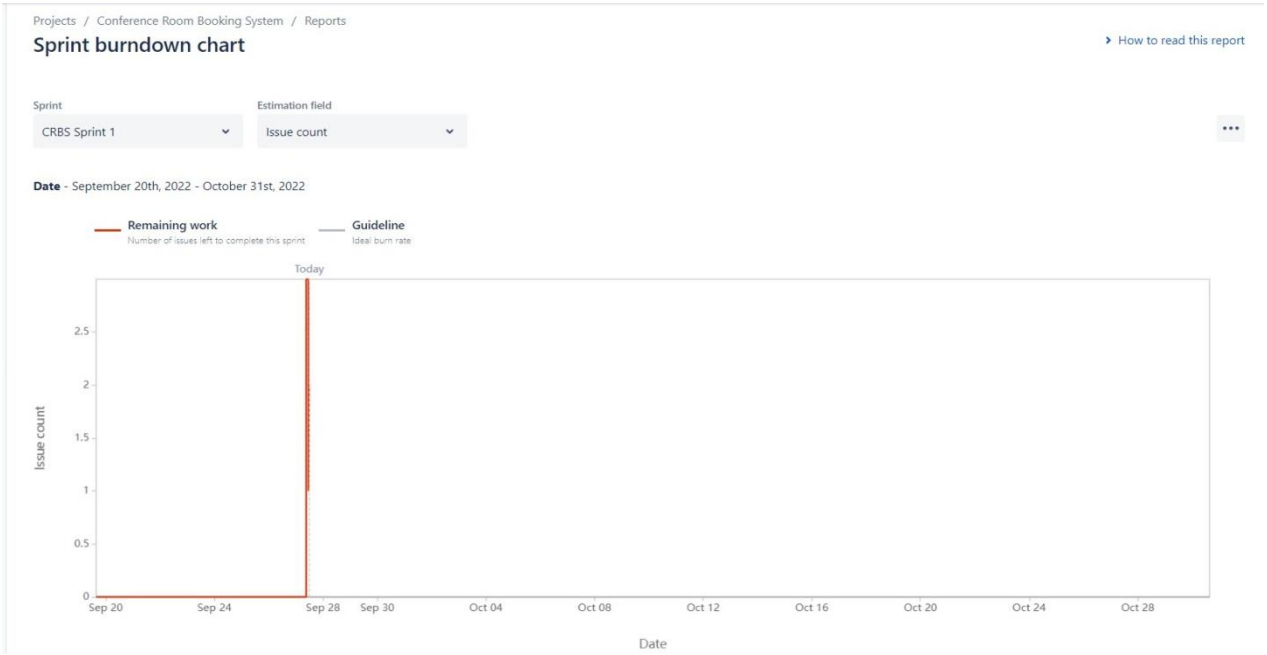
1. Jira board – shows the status of our issues in sprint 1



2. List of backlogs for every sprint – it contains deliverables per sprint. Each story may have multiple child issues.



3. Sprint burndown chart



Report: CRBS Sprint 1

*Issue added after sprint start

Scope changes log

View in issue navigator

Date	Key	Summary	Issue type	Epic	Details of scope change	Change in estimation
2022-09-28	CRBS-11*	Login Page	Story	BACKEND IMPLEM...	Issue added to sprint	1
2022-09-28	CRBS-12*	Wireframing the Landing Page	Story	BACKEND IMPLEM...	Issue added to sprint	1
2022-09-28	CRBS-13*	Creation of Database	Story	BACKEND IMPLEM...	Issue added to sprint	1
2022-09-28	CRBS-18*	User Information and Privacy	Story	USER INTERFACE	Issue added to sprint	1

Your sprint commitment has increased by 4 issues

Due to scope changes: You have 4 issues to complete this sprint

Incomplete issues

View in issue navigator

Key	Summary	Issue type	Epic	Status	Assignee	Issue count
CRBS-13	Creation of Database	Story	BACKEND IMPLEM...	IN PROGRESS	SH	1
CRBS-18	User Information and Privacy	Story	USER INTERFACE	IN PROGRESS	RR	1

Completed issues

View in issue navigator

Key	Summary	Issue type	Epic	Status	Assignee	Issue count
CRBS-11	Login Page	Story	BACKEND IMPLEM...	DONE	RS	1
CRBS-12	Wireframing the Landing Page	Story	BACKEND IMPLEM...	DONE	R	1

4. Burnup report

Projects / Conference Room Booking System / Reports

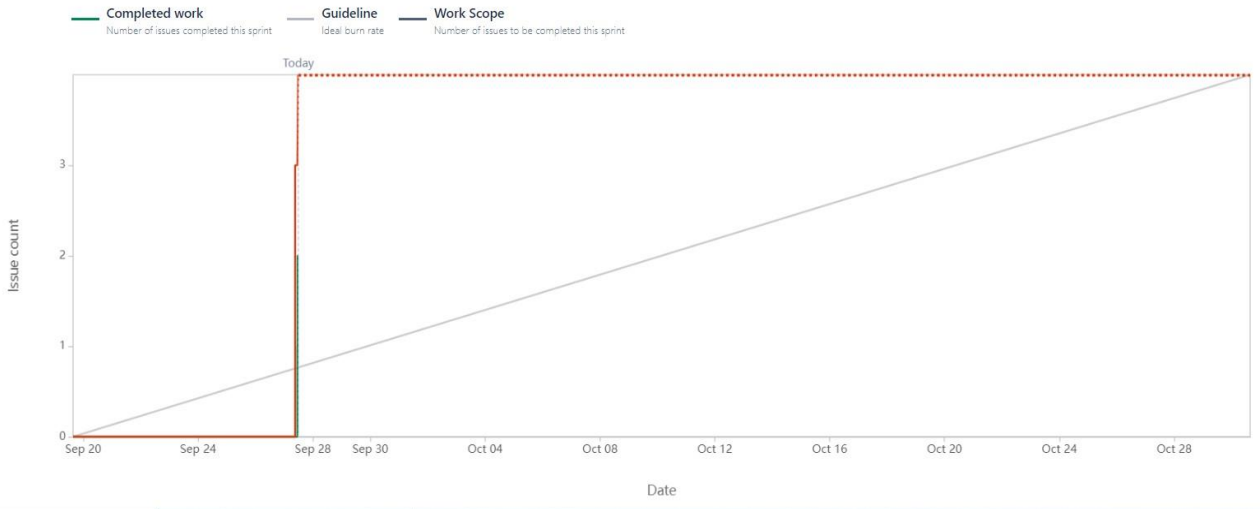
Burnup report

› How to read this report

Sprint: CRBS Sprint 1

Estimation field: Issue count

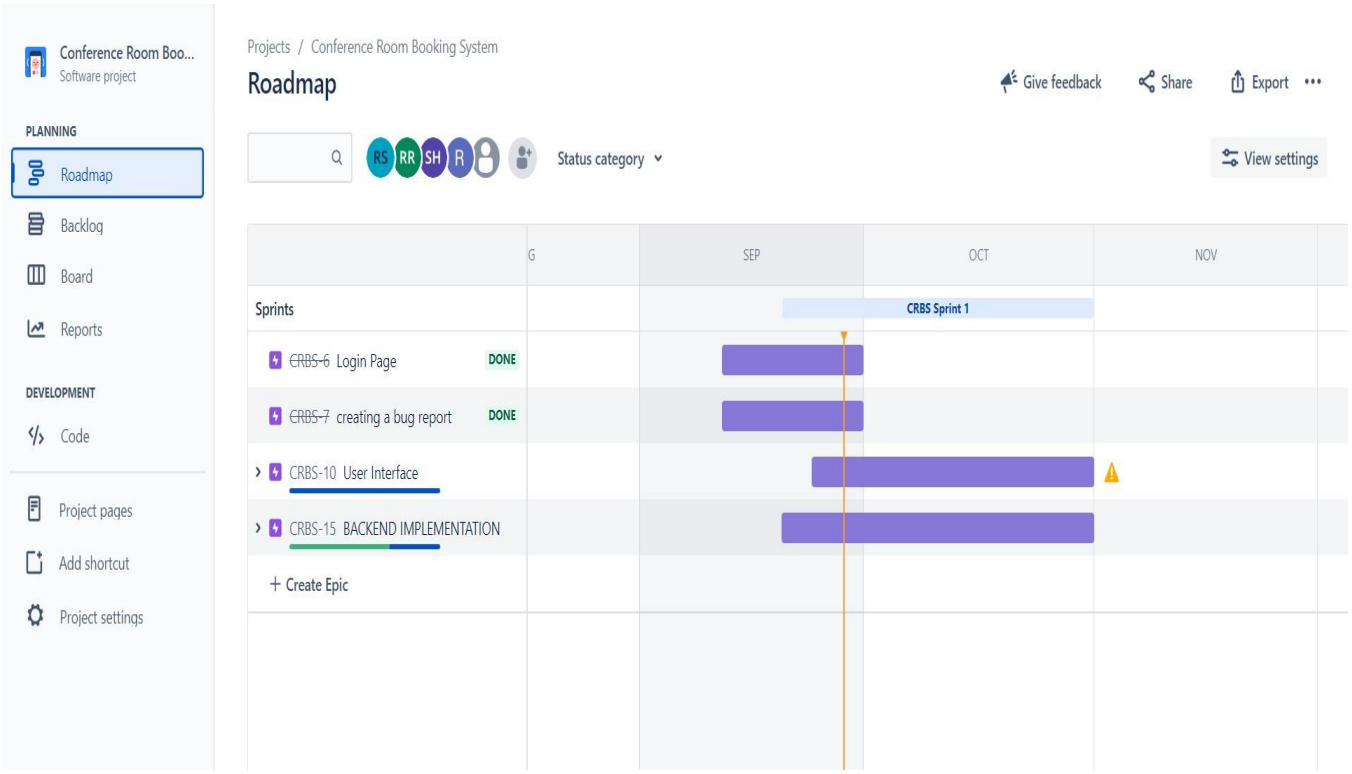
Date - September 20th, 2022 - October 31st, 2022



Date	Event	Issue	Completed	Scope
Tue, Sep 20 2022, 10:00am	Sprint started		0	0
Wed, Sep 28 2022, 3:39am	Added to sprint	CRBS-11 Login Page	0	0 → 1
Wed, Sep 28 2022, 3:40am	Estimate updated	CRBS-12 Wireframing the Landing Page	0	1
Wed, Sep 28 2022, 3:40am	Added to sprint	CRBS-12 Wireframing the Landing Page	0	1 → 2
Wed, Sep 28 2022, 3:40am	Estimate updated	CRBS-13 Creation of Database	0	2
Wed, Sep 28 2022, 3:40am	Added to sprint	CRBS-13 Creation of Database	0	2 → 3
Wed, Sep 28 2022, 5:30am	Issue completed	CRBS-11 Login Page	0 → 1	3
Wed, Sep 28 2022, 5:40am	Issue re-opened	CRBS-11 Login Page	1 → 0	3
Wed, Sep 28 2022, 5:44am	Issue completed	CRBS-11 Login Page	0 → 1	3
Wed, Sep 28 2022, 5:44am	Issue completed	CRBS-12 Wireframing the Landing Page	1 → 2	3
Wed, Sep 28 2022, 6:13am	Estimate updated	CRBS-18 User Information and Privacy	2	3
Wed, Sep 28 2022, 6:13am	Added to sprint	CRBS-18 User Information and Privacy	2	3 → 4

5. Cumulative flow diagram

6. Roadmap/Gantt Chart



Bug report

Unresolved bug report

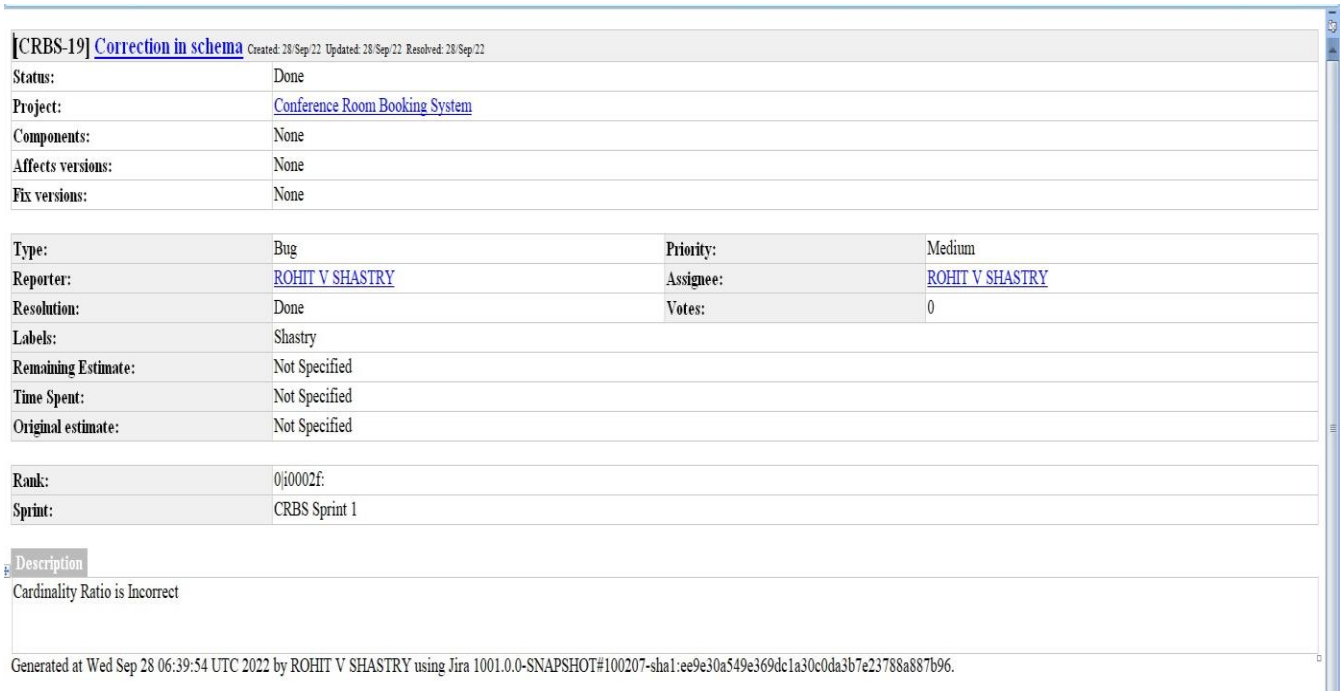
[CRBS-19] Correction in schema Created: 28/Sep/22 Updated: 28/Sep/22			
Status:	To Do		
Project:	Conference Room Booking System		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Type:	Bug	**Priority:**	Medium
Reporter:	ROHIT V SHASTRY	**Assignee:**	ROHIT V SHASTRY
Resolution:	Unresolved	**Votes:**	0
Labels:	Shastry		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Rank:	0|i0002f:		
Sprint:	CRBS Sprint 1		

Description

Cardinality Ratio is Incorrect

Generated at Wed Sep 28 06:38:56 UTC 2022 by ROHIT V SHASTRY using Jira 1001.0.0-SNAPSHOT#100207-sha1:ee9e30a549e369dc1a30c0da3b7e23788a887b96.

Resolved bug report



[CRBS-19] Correction in schema Created: 28/Sep/22 Updated: 28/Sep/22 Resolved: 28/Sep/22

Status:	Done		
Project:	Conference Room Booking System		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Type:	Bug	Priority:	Medium
Reporter:	ROHIT V SHASTRY	Assignee:	ROHIT V SHASTRY
Resolution:	Done	Votes:	0
Labels:	Shastry		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Rank:	0|i0002f:		
Sprint:	CRBS Sprint 1		

Description

Cardinality Ratio is Incorrect

Generated at Wed Sep 28 06:39:54 UTC 2022 by ROHIT V SHASTRY using Jira 1001.0.0-SNAPSHOT#100207-sha1:ee9e30a549e369dc1a30c0da3b7e23788a887b96.

COCOMO MODEL

COCOMO – Constructive Cost Model It is a popularly used software cost estimation model which predicts the efforts required for the project, total project cost and scheduled time for the project in terms of effort. It estimates the required number of Man Months for full development of software products.

Based on this analysis with the help of following formulae:

$$\text{Effort (E)} = a*(KLOC)^b \text{ MM}$$

$$\text{Scheduled Time (D)} = c*(E)^d \text{ Months(M)}$$

Where,

- **E** = Total effort required for the project in Man-Months (MM).
- **D** = Total time required for project development in Months (M).
- **KLOC** = the size of the code for the project in Kilo lines of code.
- **a, b, c, d** = The constant parameters for a software project.

PROJECT TYPE	a	b	c	d
Organic	2.4	1.05	2.5	0.38
Semidetached	3	1.12	2.5	0.35
Embedded	3.6	1.2	2.5	0.32

With the help of analysis, we can conclude that our model has the following classifications:

MODEL TYPE – Basic

MODEL CLASS – Organic

Based on our analysis the estimate of the total lines of code is 1000 lines of code.

CALCULATION:

$E = 2.4 * (1)^{1.05}$

$E = 2.4$ PPM

$D = 2.5 * (2.4)^{0.38}$

$= 2.5 * 1.3946$

$D = 3.4865$ PPM

$P = E / D$

$= 2.4 / 3.4865$

$P = 0.6883$