

Experiment : 1

The screenshot shows the Jira interface for a project named 'ChanikyaFirstProject'. The left sidebar contains navigation options: PLANNING (Timeline, Board, List, Forms, Goals, Add view), DEVELOPMENT (Code, Project pages, Project settings, Archived work items...), and a 'You're in a company-managed project' notice. The main area displays the 'KAN board' for 'My Kanban Project'. It features a search bar, user avatars, and buttons for 'Import work', 'Insights', and 'View settings'. The board is divided into three columns: 'TO DO 3', 'IN PROGRESS 1', and 'DONE 2'. The 'TO DO' column has a 'Turn on unassigned filter' button and three tasks: 'Read the bible' (KAN-1), 'Do exercise' (KAN-2), and 'Do coding' (KAN-3). The 'IN PROGRESS' column is empty. The 'DONE' column contains one task: 'Did the exercise' (KAN-6).

Experiment no : 2

The screenshot shows the Jira interface for a project named 'Saveetha Placements'. The left sidebar contains navigation options: PLANNING (SP board, Timeline, Backlog, Active sprints, Calendar, Reports), DEVELOPMENT (List, Goals, Issues), and a 'You're in a company-managed project' notice. The main area displays the 'List' view for 'Saveetha Placements'. It features a search bar, user avatars, and buttons for 'Share', 'Filter', 'Group', and 'More'. Below the search bar is a table with the following data:

Type	Key	Summary	Status
SP-1	SP-1	Hiring Fullstack developers	TO DO
SP-2	SP-2	Aptitude round	TO DO
SP-3	SP-3	Technical Round	TO DO
SP-4	SP-4	Final Selection Round	TO DO

Below the table is a '+ Create' button. On the right side, there is a 'Quickstart' panel with a 'Create a project' button, a 'Create an issue' button, a video player for 'Create Issue | ...', and a 'Get started with list' button.

Experiment no : 5

A20			
	A	B	C
1	Requirement	Category (MOSCOW)	Justification
2	Search books by title and author	Must-Have	Essential functionality for basic library operations and user experience.
3	Implement an online book reservation system	Must-Have	Core feature for enabling efficient book lending and user satisfaction.
4	Generate monthly reports on borrowed books for administrators	Should-Have	Provides valuable insights but is secondary to the basic operation of the system.
5	Enable email notifications for overdue books	Should-Have	Improves user experience and reduces overdue cases, but not critical for system launch.
6	Add support for QR code scanning for borrowing and returning books	Could-Have	Enhances efficiency but requires additional hardware and development effort.
7	Create a user-friendly dashboard for librarians	Must-Have	Necessary for managing library operations effectively.
8	Allow users to review and rate books	Could-Have	Adds value for users but does not affect the core functionality of the library system.
9	Integrate a chatbot for user assistance	Could-Have	Improves user engagement but is non-essential for initial deployment.
10	Develop a mobile app version of the system	Should-Have	Increases accessibility but can be delayed if resources are limited.
11	Provide multi-language support	Won't-Have	Desirable for diverse user bases but can be deprioritized for now due to resource and time constraints.
12			
13			
14			
15			
16			
17			

Experiment 9 :

```

PS C:\Users\chani\Akash-and-team> git checkout -b feature-branch-name
Switched to a new branch 'feature-branch-name'
PS C:\Users\chani\Akash-and-team> git add .
PS C:\Users\chani\Akash-and-team> git commit -m "Your descriptive commit
message"
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'chani@Asus.(none)')
PS C:\Users\chani\Akash-and-team> git config --global user.name "Chaniky
aMysur"
PS C:\Users\chani\Akash-and-team> git config --global user.email "chanik
yamysur@gamil.com"
PS C:\Users\chani\Akash-and-team>
PS C:\Users\chani\Akash-and-team> git config --global user.email "chanik
yamysur@gmail.com"
PS C:\Users\chani\Akash-and-team> git config --global --list
user.name=ChanikyaMysur
user.email=chanikyamysur@gmail.com
PS C:\Users\chani\Akash-and-team> git commit -m "Your descriptive commit
message"
On branch feature-branch-name
nothing to commit, working tree clean
PS C:\Users\chani\Akash-and-team> git status
On branch feature-branch-name
nothing to commit, working tree clean

```

Experiment 2:

BUS TICKET BOOKING



SOURCE



DESTINATION

DATE

BUSES AVAILABLE

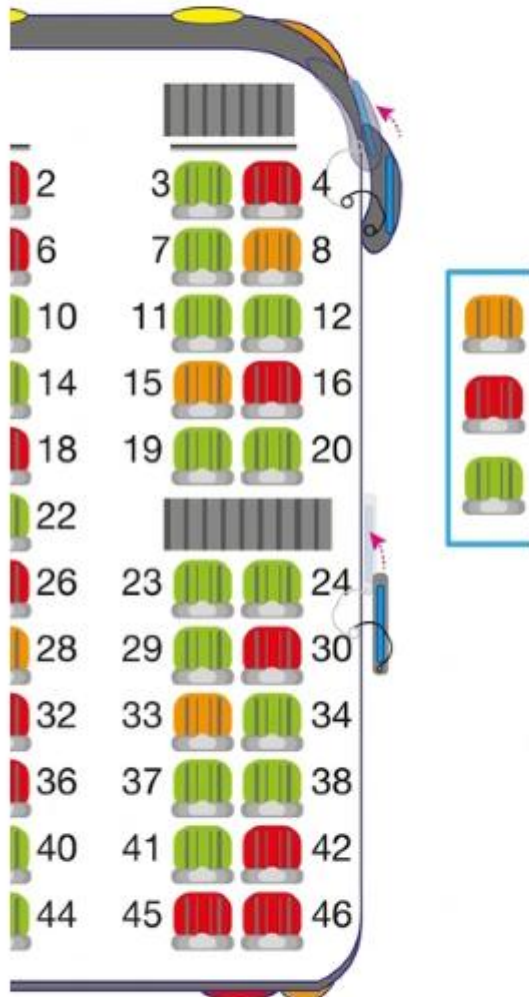
BUS NO/TIMINGS/FARE/SEATS AVAILABLE

BUS NO/TIMINGS/FARE/SEATS AVAILABLE

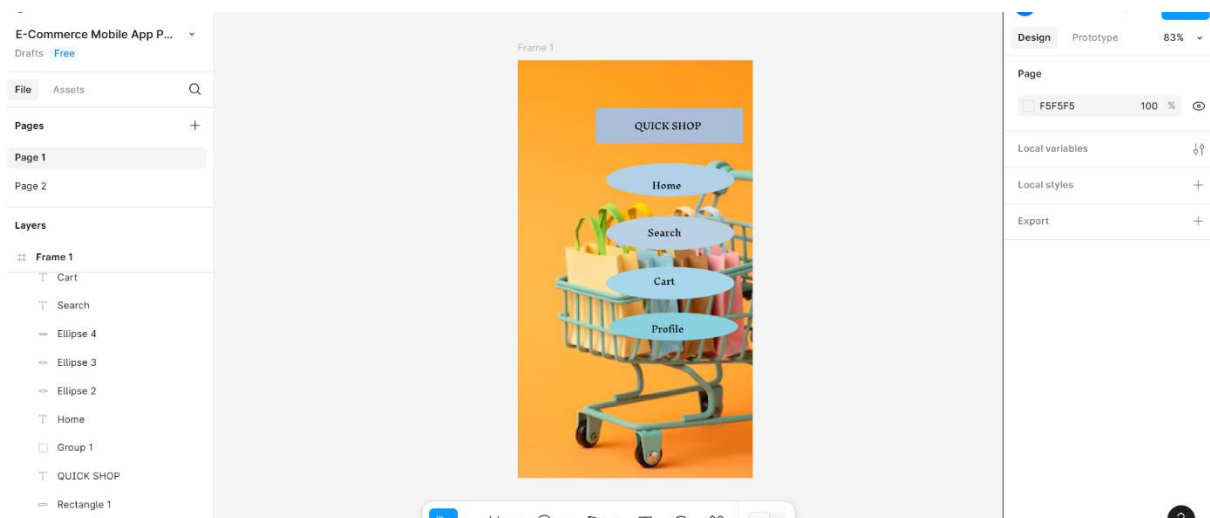
BUS NO/TIMINGS/FARE/SEATS AVAILABLE



SEATING ALLOCATION



Experiment 3:



Experiment 4:

The screenshot displays the Jira web interface for a project named 'Sample Scrum Projects'. The main view is the 'Backlog' for the 'SSP board'. The interface includes a left sidebar with navigation options like 'PLANNING', 'Active sprints', 'Calendar', 'Reports', 'List', 'Goals', and 'Work items'. The main content area shows a list of work items under 'SSP Sprint 1' and a 'Backlog' section. The 'SSP Sprint 1' section contains four items: 'Create User Registration Page' (TO DO), 'Develop API for login' (IN PROGRESS), 'Design the Home Page' (IN PROGRESS), and 'Set up the database Scheme' (IN PROGRESS). The 'Backlog' section contains one item: 'Under development' (TO DO). A 'Quickstart' sidebar on the right offers guidance on creating a project, creating an issue, and starting with the basics. The top of the page shows the Jira logo, navigation tabs, and a search bar.

Projects / Sample Scrum Projects / SSP board

Backlog

Search

Version More In... View settings

SSP Sprint 1 Add dates (4 work items) 0 0 0 Start sprint

Item	Status	Assignee
SSP-1 Create User Registration Page	TO DO	
SSP-2 Develop API for login	IN PROGRESS	
SSP-4 Design the Home Page	IN PROGRESS	
SSP-5 Set up the database Scheme	IN PROGRESS	

+ Create

4 work items Estimate: 0

Backlog (1 work item) 0 0 0 Create sprint

Item	Status	Assignee
SSP-3 Under development	TO DO	

+ Create

Quickstart

- Create a project
- Create an issue
- Start with the basics

Atlassian University offers self-paced courses to help get you started with Jira

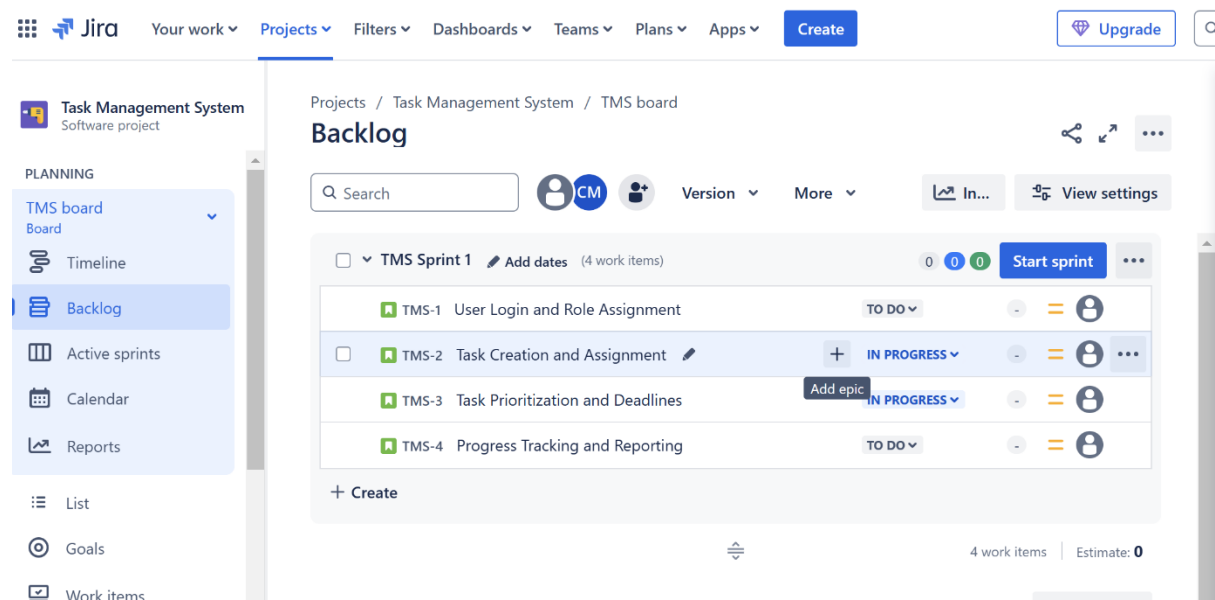
Explore classes

Dismiss Quickstart

Experiment 6:

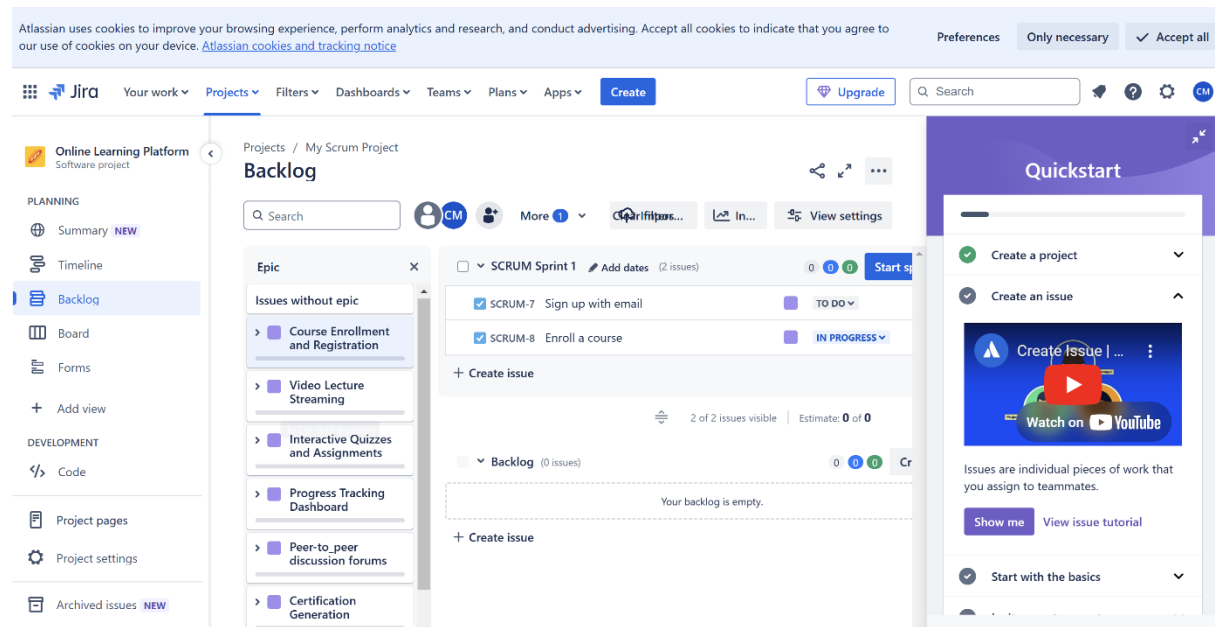
Experiment : 7

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The screenshot shows the Jira interface for the 'Task Management System' project. The left sidebar contains a 'PLANNING' section with options like 'TMS board', 'Timeline', 'Backlog', 'Active sprints', 'Calendar', 'Reports', 'List', 'Goals', and 'Work items'. The main area displays the 'Backlog' for 'TMS Sprint 1' with 4 work items. The items are: 'TMS-1 User Login and Role Assignment' (TO DO), 'TMS-2 Task Creation and Assignment' (IN PROGRESS), 'TMS-3 Task Prioritization and Deadlines' (IN PROGRESS), and 'TMS-4 Progress Tracking and Reporting' (TO DO). A 'Start sprint' button is visible. The bottom right shows '4 work items' and 'Estimate: 0'.

Experiment 8:



The screenshot shows the Jira interface for the 'Online Learning Platform' project. The left sidebar contains a 'PLANNING' section with options like 'Summary', 'Timeline', 'Backlog', 'Board', 'Forms', 'Add view', and a 'DEVELOPMENT' section with options like 'Code', 'Project pages', 'Project settings', and 'Archived issues'. The main area displays the 'Backlog' for 'SCRUM Sprint 1' with 2 issues: 'SCRUM-7 Sign up with email' (TO DO) and 'SCRUM-8 Enroll a course' (IN PROGRESS). A 'Quickstart' overlay is visible on the right, showing steps like 'Create a project', 'Create an issue', and 'Start with the basics'. The overlay also includes a video player with a 'Watch on YouTube' button.

Experiment 11:

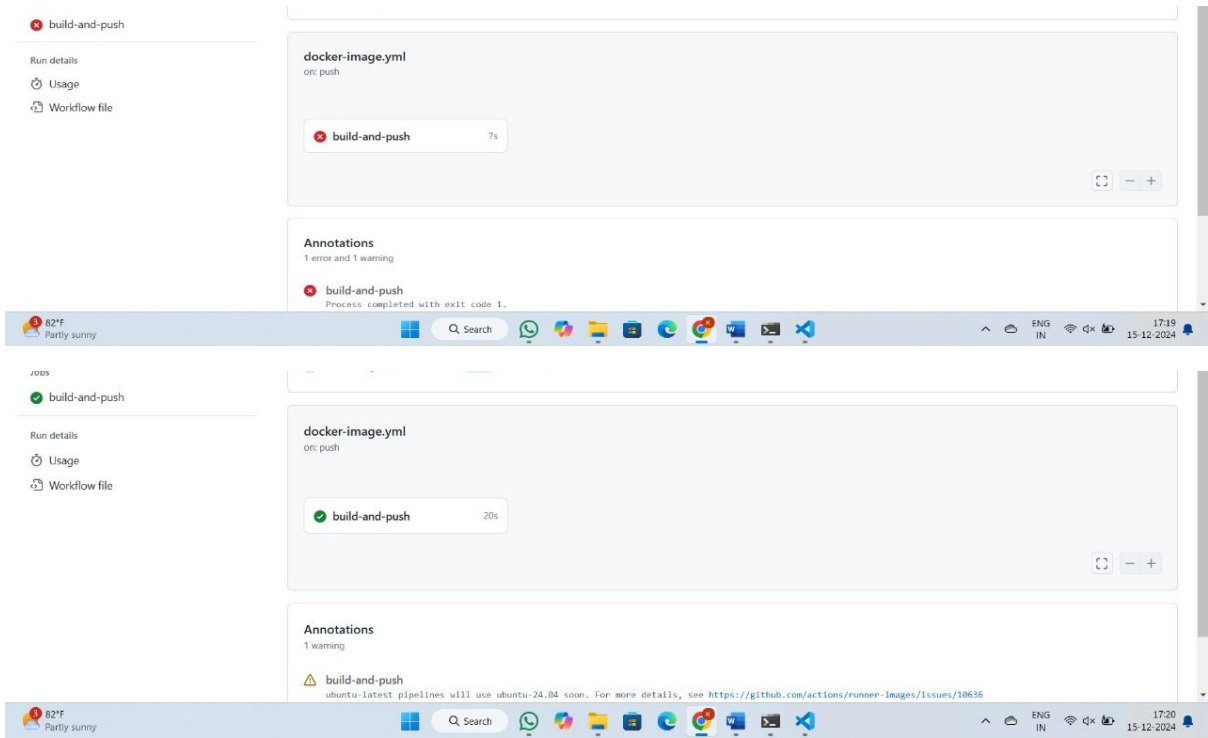
<> index.html > ...

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Static Website</title>
7  </head>
8  <body>
9      <h1>Welcome to My Static Website</h1>
10     <p>This website is served using Nginx in a Docker container!</p>
11 </body>
12 </html>
13 |
```

MyDockerfile.dockertile > ...

```
1  # Use the official Nginx image as the base image
2  FROM nginx:latest
3
4  # Copy the static website files into the Nginx HTML directory
5  COPY ./index.html /usr/share/nginx/html/index.html
6
7  # Expose port 80 to allow web traffic
8  EXPOSE 80
9
10 # Start the Nginx server
11 CMD ["nginx", "-g", "daemon off;"]
12 |
```

Experiment 14:



Experiment 17:



<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	<div><div></div>hello-world</div>	latest	d2c94e258dcb	2 years ago	13.25 KB	<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div>registry.k8s.io/pause</div>	3.9	e6f181688397	2 years ago	743.95 KB	<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div>docker/desktop-storage-</div>	v2.0	99f89471f470	4 years ago	41.85 MB	<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div>my-static-website</div>	latest	0e7612dd9176	15 minutes ag	191.75 MB	<div><div></div><div></div><div></div></div>

Showing 27 items

Terminal

+ - x

```
fc77d1ffb627: Pushed
d32d820bcf1c: Mounted from library/nginx
c28e0f7d0cc5: Mounted from library/nginx
8aa4787aa17a: Mounted from library/nginx
b060cc3bd13c: Mounted from library/nginx
2c3a053d7b67: Mounted from library/nginx
fc00b055de35: Mounted from library/nginx
c0f1022b22a9: Mounted from library/nginx
latest: digest: sha256:f96febcb0c6f9354b06e16e33e973c7214099a1ae205a6b747fc008029265f81 size: 1985
PS C:\Users\YOGENDRA>
```

Windo... x

Kubernetes running RAM 3.23 GB CPU 2.00% Disk 1020.15 GB avail. of 1081.10 GB

_ Terminal v4.36.0

Containers

- Images
- Volumes
- Builds
- Docker Scout
- Extensions

Containers [Give feedback](#)

Container CPU usage ⓘ
0.02% / 1600% (16 CPUs available)

Container memory usage ⓘ
23.2MB / 7.42GB

[Show charts](#)

☐ Only show running containers

<input type="checkbox"/>	Name	Container ID	Image ↓	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	<div><div></div>kind_gauss</div>	c68c00b08db7	yogi906/flask-ap		0%	3 hours ago	<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div>modest_euclid</div>	bf2395312a1e	yogi906/flask-ap		0%	3 hours ago	<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div>k8s_flask-api_flav_0a974f68c8d5</div>	7f6953237a61	7f6953237a61		0%	4 minutes ago	<div><div></div><div></div><div></div></div>

Terminal

+ - x

```
docker run -p 5000:5000 flask-api
* Serving Flask app 'app.py' (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: off
* Running on all addresses.
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
```

Windo... x