

## **SMART WEATHER(WITH JIRA)**

**Q1)** Identify at least five epics and 15 user stories from the case above(use your interpretation and independent research). Link the stories to the epics.

Ans) The epics and user stories of smart weather are listed below:

### **Epics**

#### **1) Registration of Users :**

- a) The Smart Weather Web Portal must have facility for registration of both free and paid users.
- b) The count of users in the portal should not be negative.
- c) There must be a separate section of free and paid users
- d) Details such as Sno,Name,Age,Gender and location of the users must be captured inside portal

2) **Location Detection:** The detection of weather,climate and temperature of different locations must be captured inside the Smart Weather Web Portal

#### **3) Registration of Satellite Images**

- a) The Portal must have capacity for capturing satellite Images
- b) The Portal must support images of .bitmap,.jpg,.png formats
- c) The length,breadth and width of the images can be enlarged or decreased according to user requirement

#### **4) User Interface of Smart Weather Web Portal**

- a) The UI or form design of web portal must be responsive
- b) Developers can make use of HTML,CSS and JavaScript for designing web portal
- c) The web portal must be dynamic and should be easy to navigate

#### **5) Creation of Android Mobile Apps**

- a) An Android Mobile Application must be created for the Smart Weather Web Portal
- b) The Android Smart Weather App must be easily available on the Google Play store for the android users
- c) There won't be any charges for first six months for Smart Weather App

#### **6) Creation of IOS Smart Weather Apps**

- a) Apps must be created for IOS devices
- b) The apps must be easily available on the App store

#### **7) Database Creation**

- a) The database must be created on the basis of location
- b) Their must be tables and views which contains information related to the number of paid and free web portal users as well as the other characteristics such as name, age and gender of the user in the schema

## User Stories

- 1) Registration of free users on Smart Weather Web Portal-Linked it to registration of users
- 2) Registration of paid users on Smart Weather Web Portal-Linked it to registration of users
- 3) The smart weather web portal must also display the profile picture of paid users-Linked it to registration of users
- 4) The location detection is possible through GPS or IP address-Linked it to location detection
- 5) Information of current Weather ie Temperature in Centigrates must be visible inside the portal-Linked it to Registration of Satellite Images
- 6) The Smart Weather Web Portal must display the forecast for five,10 and 15 days at a location-Linked it to Registration of Satellite Images
- 7) Information related to seasonal forecast ie prediction of snowfall,rainfall must be visible in smart weather web portal-Linked it to Registration of Satellite Images
- 8) The time lapse Videos of satellite forecast must be visible in web portal-Linked it to registration of Satellite Images
- 9) The portal must be integrated with public weather services around the world-Linked it to User Interface of Smart Weather Web Portal
- 10) There must be provisions for various advertisements on Smart Weather Web Apps-Linked it to Creation of Android Mobile Apps
- 11) Android mobile apps of Smart Weather are divided in free and paid category-Linked it to Creation of Android Mobile Apps
- 12) Some Services must be assigned for android and ios mobile apps-Linked it to Android Mobile Apps and IOS mobile Apps
- 13) There must be provisions of advertisements for Android Mobile Apps-Linked it to Creation of Android Mobile Apps
- 14) There must be provisions of advertisements for IOS Mobile Apps-Linked it to Creation of IOS Mobile Apps
- 15) Schema needs to be created inside the database-Linked it to Database Creation

Q2) Get a free JIRA account and create a Scrum project.

Ans) Here are the screenshots of the Scrum Project

## Projects

Create project

All Jira products		Type	Lead	
Name	Key			...
Smart Weather Web Portal	SWWP	Team-managed software	SP Shivani Priya	

Smart Weather Web ... Software project

Roadmap

Give feedback Share Export ...

Planning Roadmap Backlog Board

Development Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Portal

Roadmap

Status category Epic

FEB MAR APR

User Registration Web Portal Integrati... Provisions for Adver...

Sprints

- SWWP-1 Registration of Users
- SWWP-2 Location Detection
- SWWP-3 Registration of Satellite Images
- SWWP-4 User Interface of Smart Weath...
- SWWP-5 Creation of Android Mobile A...
- SWWP-6 Creati... of IOS Smart Weathe...
- SWWP-7 Database Creation

Today Weeks Months Quarters

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Projects / Smart Weather Web Po... / SWWP-1 inside portal

Child issues Order by ... + 33% Done

SWWP-10 Registration of free users on Smart Weather ... IN PROGRESS

SWWP-11 Registration of Paid users on Smart Weather Web P... TO DO

SWWP-25 The smart weather web portal must also display th... DONE

Linked issues + relates to

SWWP-10 Registration of free users on Smart Weather ... IN PROGRESS

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:26 AM Updated March 21, 2023 at 10:10 AM Configure

This screenshot shows the Jira Software interface for a project named "Smart Weather Web ...". The left sidebar includes links for Roadmap, Backlog, Board, Code, Project pages, Add shortcut, and Project settings. A message indicates the user is in a team-managed project. The main area displays a "Child issues" board with three items: SWWP-10 (IN PROGRESS), SWWP-11 (TO DO), and SWWP-25 (DONE). Below this is a "Linked issues" section showing the same three items. A comment input field is present with a tip to use 'M' to comment. To the right is a detailed view of issue SWWP-1, showing fields for Assignee (Unassigned, with an 'Assign to me' button), Labels (None), Start date (None), Due date (None), and Reporter (Shivani Priya). It also shows creation and update timestamps and a 'Configure' button.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-1 inside portal

Child issues Order by ... + 33% Done

SWWP-10 Registration of free users on Smart Weather ... IN PROGRESS

SWWP-11 Registration of Paid users on Smart Weather Web P... TO DO

SWWP-25 The smart weather web portal must also display th... DONE

Linked issues + relates to

SWWP-10 Registration of free users on Smart Weather ... IN PROGRESS

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:26 AM Updated March 21, 2023 at 10:10 AM Configure

This screenshot is identical to the one above, showing the Jira Software interface for the "Smart Weather Web ..." project. It displays the same dashboard, issue list, and detailed view for issue SWWP-1, including the same timestamp and configuration options.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-1

SWWP-25 The smart weather web portal must also display th... Done

Linked issues +

relates to

SWWP-10 Registration of free users on Smart Weat... In Progress

SWWP-11 Registration of Paid users on Smart Weather ... To Do

SWWP-25 The smart weather web portal must also displ... Done

SWWP-27 Assiqnment of Severe Weather Advisory To Do

Activity Show: All Comments History Newest first

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:26 AM Updated March 21, 2023 at 10:10 AM Configure

This screenshot shows the Jira Software interface for a project named 'Smart Weather Web ...'. The left sidebar includes links for Roadmap, Backlog, Board, Code, Project pages, Add shortcut, and Project settings. The main area displays issue details for 'SWWP-1' with a summary: 'The smart weather web portal must also display th...'. It lists linked issues: 'SWWP-10' (In Progress), 'SWWP-11' (To Do), 'SWWP-25' (Done), and 'SWWP-27' (To Do). The 'Comments' tab is selected, showing a text input field 'Add a comment...' and a note 'Pro tip: press M to comment'. On the right, there's a 'To Do' board and a 'Details' panel for the reporter, Shivani Priya, with fields for Assignee, Labels, Start date, Due date, and Reporter. A note at the bottom indicates the issue was created on March 20, 2023, and last updated on March 21, 2023.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-2

Location Detection

Attach Add a child issue Link issue ...

Description

The detection of weather,climate and temperature of different locations must be captured inside

the Smart Weather Web Portal

Child issues Order by ... + 0% Done

SWWP-12 The location detection is possible through G... In Progress

SWWP-13 Information of Current Weather ie Temperature in ... To Do

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:33 AM Updated March 20, 2023 at 3:32 PM Configure

This screenshot shows the Jira Software interface for a project named 'Smart Weather Web ...'. The left sidebar includes links for Roadmap, Backlog, Board, Code, Project pages, Add shortcut, and Project settings. The main area displays issue details for 'SWWP-2' with a summary: 'Location Detection'. It lists child issues: 'SWWP-12' (In Progress) and 'SWWP-13' (To Do). The 'Comments' tab is selected, showing a text input field 'Add a comment...' and a note 'Pro tip: press M to comment'. On the right, there's a 'To Do' board and a 'Details' panel for the reporter, Shivani Priya, with fields for Assignee, Labels, Start date, Due date, and Reporter. A note at the bottom indicates the issue was created on March 20, 2023, and last updated on March 20, 2023.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Projects / Smart Weather Web Po... / SWWP-2

Child issues Order by ... + 0% Done

SWWP-12 The location detection is possible through G... IN PROGRESS

SWWP-13 Information of Current Weather ie Temperature in ... TO DO

SWWP-24 The Smart Weather Web Portal must display forec... TO DO

Linked issues + relates to

SWWP-12 The location detection is possible throu... IN PROGRESS

SWWP-13 Information of Current Weather ie Temperatur... TO DO

SWWP-24 The Smart Weather Web Portal must display fore... TO DO

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:33 AM Updated March 20, 2023 at 3:32 PM Configure

This screenshot shows a Jira Software interface for a project named 'Smart Weather Web ...'. The left sidebar includes links for Planning (Roadmap, Backlog, Board), Development (Code, Project pages, Add shortcut, Project settings), and a note about being a team-managed project. The main area displays a list of child issues under 'SWWP-2' (e.g., SWWP-12, SWWP-13, SWWP-24) with their status (e.g., IN PROGRESS, TO DO). A 'Linked issues' section shows three more issues (SWWP-12, SWWP-13, SWWP-24) with their respective statuses. Below this is an 'Activity' section with tabs for All, Comments (which is selected), and History, showing 'Newest first'. On the right, a detailed view of 'SWWP-2' is shown with fields for Assignee (Unassigned), Labels (None), Start date (None), Due date (None), and Reporter (Shivani Priya). It also shows creation and update times.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-2

Child issues Order by ... + 0% Done

SWWP-13 Information of Current Weather ie Temperature in ... TO DO

SWWP-24 The Smart Weather Web Portal must display forec... TO DO

Linked issues + relates to

SWWP-12 The location detection is possible throu... IN PROGRESS

SWWP-13 Information of Current Weather ie Temperatur... TO DO

SWWP-24 The Smart Weather Web Portal must display fore... TO DO

Activity Show: All Comments History Newest first

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:33 AM Updated March 20, 2023 at 3:32 PM Configure

This screenshot shows a Jira Software interface for the same project. The layout is identical to the first one, featuring the same sidebar, main issue list, linked issues, activity feed, and detailed view on the right. The 'Comments' tab is selected in the activity feed. The detailed view on the right shows the same information as the first screenshot, including the reporter's name (Shivani Priya) and creation and update dates.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-3

## Registration of Satellite Images

Attach Add a child issue Link issue ...

Description

1) The Portal must have capacity for capturing satellite Images  
2) The Portal must support images of .bitmap.jpg.png formats  
3) The length,breadth and width of the images can be enlarged or decreased according to user requirement

Child issues Order by ... +

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me  
Labels None  
Start date None  
Due date None  
Reporter SP Shivani Priya

Created March 20, 2023 at 11:38 AM Updated March 20, 2023 at 3:24 PM

Configure

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-3

## Child issues

Order by ... + 0% Done

SWWP-23 Information related to seasonal forecast ie Predicti... TO DO  
SWWP-14 Information of Current Weather ie Temperature in ... TO DO  
SWWP-15 The Time Lapse Videos of Satellite forecast must ... TO DO

Linked issues + relates to

SWWP-14 Information of Current Weather ie Temperatur... TO DO  
SWWP-15 The Time Lapse Videos of Satellite forecast ... TO DO

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me  
Labels None  
Start date None  
Due date None  
Reporter SP Shivani Priya

Created March 20, 2023 at 11:38 AM Updated March 20, 2023 at 3:24 PM

Configure

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-3

## Child issues

Order by ... + 0% Done

SWWP-14 Information of Current Weather ie Temperature in ... TO DO  
SWWP-15 The Time Lapse Videos of Satellite forecast must ... TO DO  
SWWP-23 Information related to seasonal forecast ie Predicti... TO DO

Linked issues + relates to

SWWP-14 Information of Current Weather ie Temperatur... TO DO  
SWWP-15 The Time Lapse Videos of Satellite forecast ... TO DO  
SWWP-23 Information related to seasonal forecast ie Predicti... TO DO

Activity Show: All Comments History Newest first ↴

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me  
Labels None  
Start date None  
Due date None  
Reporter SP Shivani Priya

Created March 20, 2023 at 11:38 AM Updated March 20, 2023 at 3:24 PM

Configure

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

**PLANNING**

- Roadmap
- Backlog
- Board

**DEVELOPMENT**

- Code

**Project pages**

Add shortcut

Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-4

## User Interface of Smart Weather Web Portal

Attach Add a child issue Link issue ...

Description

- The UI or form design of web portal must be responsive
- Developers can make use of HTML,CSS and JavaScript for designing web portal
- The web portal must be dynamic and should be easy to navigate

Child issues Order by ... + 0% Done

SWWP-22	The Portal must be integrated with public weather...	TO DO
SWWP-16	There must be provisions for various advertisement...	TO DO

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:42 AM Updated March 20, 2023 at 3:32 PM Configure

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

**PLANNING**

- Roadmap
- Backlog
- Board

**DEVELOPMENT**

- Code

**Project pages**

Add shortcut

Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-4

## User Interface of Smart Weather Web Portal

Attach Add a child issue Link issue ...

Child issues Order by ... + 0% Done

SWWP-22	The Portal must be integrated with public weather...	TO DO
SWWP-16	There must be provisions for various advertisement...	TO DO

Linked issues +

relates to

SWWP-16	There must be provisions for various advertisement...	TO DO
SWWP-22	The Portal must be integrated with public weather...	TO DO
SWWP-24	The Smart Weather Web Portal must display f...	TO DO

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:42 AM Updated March 20, 2023 at 3:32 PM Configure

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

**PLANNING**

- Roadmap
- Backlog
- Board

**DEVELOPMENT**

- Code

**Project pages**

Add shortcut

Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Po... / SWWP-5

## Creation of Android Mobile Apps

Attach Add a child issue Link issue ...

Description

- An Android Mobile Application must be created for the Smart Weather Web Portal
- The Android Smart Weather App must be easily available on the Google Play store for the android users
- There won't be any charges for first six months for Smart Weather App

Child issues Order by ... + 0% Done

SP	Add a comment...
----	------------------

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:51 AM Updated March 20, 2023 at 3:08 PM Configure

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Child issues Order by ... + 0% Done

SWWP-20 Must have provisions for advertisements of Android ... TO DO

SWWP-17 Some Services must be assigned for android weather ... TO DO

SWWP-18 Android mobile apps services are divided in free a... TO DO

Linked issues + relates to

SWWP-17 Some Services must be assigned for android weather ... TO DO

SWWP-18 Android mobile apps services are divided in free a... TO DO

SWWP-20 Must have provisions for advertisements of Android ... TO DO

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:51 AM Updated March 20, 2023 at 3:08 PM Configure

This screenshot shows a Jira Software project dashboard for 'Smart Weather Web ...'. The left sidebar includes links for Roadmap, Backlog, Board, Code, Project pages, Add shortcut, and Project settings. The main area displays 'Child issues' (SWWP-20, SWWP-17, SWWP-18) and 'Linked issues' (SWWP-17, SWWP-18, SWWP-20). A comment section is present, and a detailed view of issue SWWP-5 is shown on the right, including fields for Assignee, Labels, Start date, Due date, and Reporter.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Child issues Order by ... + 0% Done

SWWP-17 Some Services must be assigned for android weather ... TO DO

SWWP-18 Android mobile apps services are divided in free a... TO DO

Linked issues + relates to

SWWP-17 Some Services must be assigned for android weather ... TO DO

SWWP-18 Android mobile apps services are divided in free a... TO DO

SWWP-20 Must have provisions for advertisements of An... TO DO

Activity Show: All Comments History Newest first

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 11:51 AM Updated March 20, 2023 at 3:08 PM Configure

This screenshot shows a Jira Software project dashboard for 'Smart Weather Web ...'. The left sidebar includes links for Roadmap, Backlog, Board, Code, Project pages, Add shortcut, and Project settings. The main area displays 'Child issues' (SWWP-17, SWWP-18) and 'Linked issues' (SWWP-17, SWWP-18, SWWP-20). A comment section is present, and a detailed view of issue SWWP-5 is shown on the right, including fields for Assignee, Labels, Start date, Due date, and Reporter.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Child issues Order by ... + 0% Done

SWWP-19 Schema needs to be created inside the database ... TO DO

Linked issues + relates to

SWWP-19 Schema needs to be created inside the database ... TO DO

Activity Show: All Comments History Newest first

Add a comment... Pro tip: press M to comment

To Do Details

Assignee Unassigned Assign to me

Labels None

Start date None

Due date None

Reporter SP Shivani Priya

Created March 20, 2023 at 12:23 PM Updated March 20, 2023 at 3:01 PM Configure

This screenshot shows a Jira Software project dashboard for 'Smart Weather Web ...'. The left sidebar includes links for Roadmap, Backlog, Board, Code, Project pages, Add shortcut, and Project settings. The main area displays 'Child issues' (SWWP-19) and 'Linked issues' (SWWP-19). A comment section is present, and a detailed view of issue SWWP-5 is shown on the right, including fields for Assignee, Labels, Start date, Due date, and Reporter.

For detailed description of epics click on :  
<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/roadmap>

For detailed description of backlog and user stories click on:  
<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/backlog>

For Sprint board description click on:  
<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2>

Q3) Enter the backlog (epics, stories and subtasks) in JIRA.

Ans) The backlog view of JIRA is as follows:

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The left sidebar includes links for 'Roadmap', 'Backlog' (which is selected and highlighted in blue), 'Board', 'Code', 'Project pages', and 'Add shortcut'. A message at the bottom states 'You're in a team-managed project' with a 'Learn more' link. The main content area displays the 'Backlog' section under 'PLANNING'. It lists several items: 'User Registration' (21 Mar – 2 Apr, 3 issues), 'Web Portal Integration' (4 Apr – 18 Apr, 4 issues), 'Provisions for Advertisements' (19 Apr – 3 May, 3 issues), 'Location Detection' (4 May – 18 May, 3 issues), and 'Backlog' (9 issues). Each item has a 'Start sprint' button and a 'Create sprint' button. Below the backlog, two specific issues are listed: 'SWWP-27 Assignment of Severe Weather Advisory' and 'SWWP-8 Registration of Free Users on Smart Weather Web Portal'. The top navigation bar features 'Jira Software', 'Your work', 'Projects', 'Filters', 'Dashboards', 'People', 'Apps', 'Create', a search bar, and various system icons.

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The left sidebar includes sections for 'PLANNING' (Roadmap, Backlog), 'DEVELOPMENT' (Code, Project pages, Add shortcut, Project settings), and a note about being a team-managed project. The main area displays the 'Backlog' for the 'Smart Weather Web Portal' under the 'Backlog' tab. It lists nine issues with columns for priority (SP), epic, type, status (To Do), assignee, and labels like 'REGISTRATION OF SATELLITE IMAGERY' and 'USER INTERFACE OF SMART WEATHER'. A search bar and filter options are at the top.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Projects / Smart Weather Web Portal Backlog

Backlog

Search SP Epic Type Insights

Web Portal Integration 4 Apr – 18 Apr (4 issues)

The goal of this sprint is to create a dynamic user interface for all free and paid users. It must be integrated with public weather services so that all users get an active information of all...

SWWP-28 Form Design TO DO

SWWP-19 Schema needs to be created inside the database DATABASE CREATION TO DO

SWWP-22 The Portal must be integrated with public weather services around t... USER INTERFACE OF SMART WEAT... TO DO

SWWP-29 Control for the Paid Services TO DO

+ Create issue

Provisions for Advertisements 19 Apr – 3 May (3 issues)

0 0 0 Start sprint

This screenshot shows the Jira Backlog for the 'Smart Weather Web ...' project. The backlog is organized into sprints: 'Web Portal Integration' (4 issues) and 'Provisions for Advertisements' (3 issues). Each sprint has a summary card with a progress bar (0/0/0), a 'Start sprint' button, and an ellipsis menu. Below each summary card is a list of specific tasks. For example, under 'Web Portal Integration', there are four tasks: 'Form Design' (TO DO), 'Schema creation' (DATABASE CREATION, TO DO), 'Portal integration' (USER INTERFACE OF SMART WEAT..., TO DO), and 'Control for Paid Services' (TO DO). A '+ Create issue' button is also present.

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / Smart Weather Web Portal Backlog

Backlog

Search SP Epic Type Insights

User Registration 21 Mar – 2 Apr (3 issues)

The goal of this sprint is to capture maximum number of free and paid users on the smart weather web portal. Once the user gets registered on the portal they must get notified by an em...

SWWP-10 Registration of free users on Smart Weather Web Portal REGISTRATION OF USERS IN PROGRESS

SWWP-11 Registration of Paid users on Smart Weather Web Portal REGISTRATION OF USERS TO DO

SWWP-25 The smart weather web portal must also display the profile picture of paid users REGISTRATION OF USERS DONE

+ Create issue

Web Portal Integration 4 Apr – 18 Apr (4 issues)

Provisions for Advertisements 19 Apr – 3 May (3 issues)

0 0 0 Start sprint

This screenshot shows the Jira Backlog for the 'Smart Weather Web ...' project. The backlog is organized into sprints: 'User Registration' (3 issues) and 'Web Portal Integration' (4 issues). Each sprint has a summary card with a progress bar (0/0/0), a 'Start sprint' button, and an ellipsis menu. Below each summary card is a list of specific tasks. For example, under 'User Registration', there are three tasks: 'Registration of free users' (IN PROGRESS), 'Registration of paid users' (TO DO), and 'Profile picture display' (DONE). A '+ Create issue' button is also present.

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Smart Weather Web ... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Projects / Smart Weather Web Portal Backlog

Backlog

Search SP Epic Type Insights

Web Portal Integration 4 Apr – 18 Apr (4 issues)

The goal of this sprint is to create a dynamic user interface for all free and paid users. It must be integrated with public weather services so that all users get an active information of all...

SWWP-28 Form Design TO DO

SWWP-19 Schema needs to be created inside the database DATABASE CREATION TO DO

SWWP-22 The Portal must be integrated with public weather services around t... USER INTERFACE OF SMART WEAT... TO DO

SWWP-29 Control for the Paid Services TO DO

+ Create issue

Provisions for Advertisements 19 Apr – 3 May (3 issues)

0 0 0 Start sprint

This screenshot shows the Jira Backlog for the 'Smart Weather Web ...' project. The backlog is organized into sprints: 'Web Portal Integration' (4 issues) and 'Provisions for Advertisements' (3 issues). Each sprint has a summary card with a progress bar (0/0/0), a 'Start sprint' button, and an ellipsis menu. Below each summary card is a list of specific tasks. For example, under 'Web Portal Integration', there are four tasks: 'Form Design' (TO DO), 'Schema creation' (DATABASE CREATION, TO DO), 'Portal integration' (USER INTERFACE OF SMART WEAT..., TO DO), and 'Control for Paid Services' (TO DO). A '+ Create issue' button is also present.

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The left sidebar is collapsed, showing options like 'PLANNING' (Roadmap), 'Backlog' (selected), 'Board', 'DEVELOPMENT' (Code), 'Project pages', 'Add shortcut', and 'Project settings'. The main area displays the 'Backlog' for the 'Smart Weather Web Portal' under the 'Backlog' tab. It includes a search bar, filters for 'SP' (Story Points) and 'Epic', and dropdown menus for 'Type' and 'Status'. The backlog is organized into sprints:

- Provisions for Advertisements** (19 Apr – 3 May, 3 issues):
  - SWWP-20 Must have provisions for advertisements of Android Mobile Apps (**CREATION OF ANDROID MOBILE A...**)
  - SWWP-21 Must have provisions for advertisements of IOS Mobile apps (**CREATION OF IOS SMART WEATHE...**)
  - SWWP-30 Publication of Services
- Location Detection** (4 May – 18 May, 3 issues):
  - SWWP-12 The location detection is possible through GPS or IP address (**LOCATION DETECTION**)
  - SWWP-13 Information of Current Weather ie Temperature in Centigrates must be visible in ... (**LOCATION DETECTION**)
  - SWWP-24 The Smart Weather Web Portal must display forecasts for five,ten and 15 days at... (**LOCATION DETECTION**)

At the bottom right, there are buttons for 'Start sprint' and three dots for more options.

This screenshot shows the same Jira interface, but the 'Location Detection' sprint is currently selected in the backlog. The backlog items listed are:

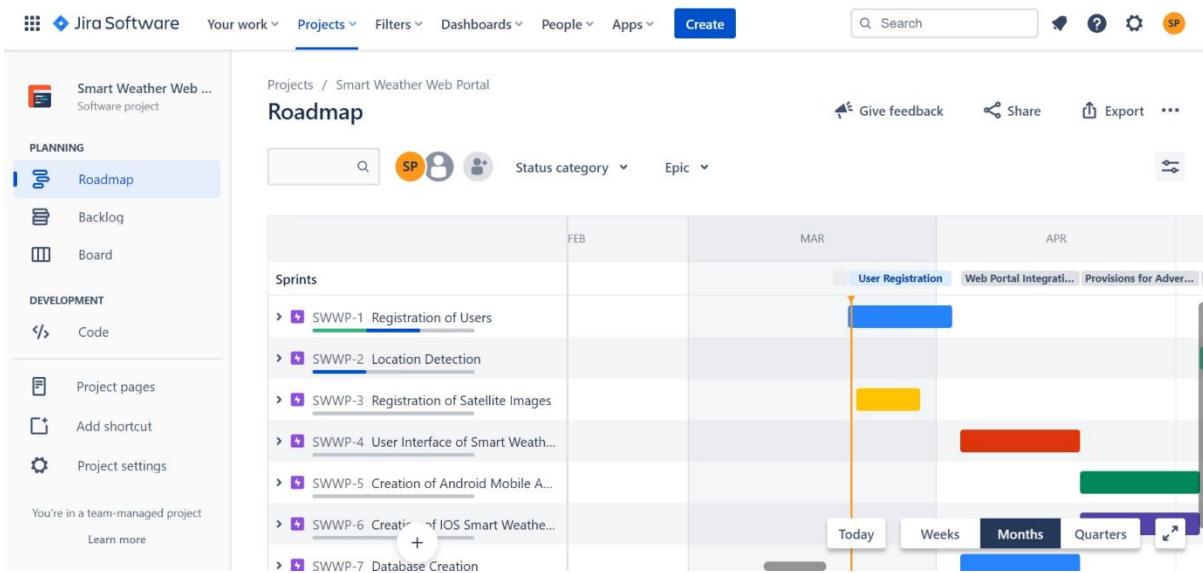
- SWWP-12 The location detection is possible through GPS or IP address (**LOCATION DETECTION**)
- SWWP-13 Information of Current Weather ie Temperature in Centigrates must be visible in ... (**LOCATION DETECTION**)
- SWWP-24 The Smart Weather Web Portal must display forecasts for five,ten and 15 days at... (**LOCATION DETECTION**)

At the bottom right, there are buttons for 'Create sprint' and three dots for more options.

For detailed description of backlog click on

<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/backlog>

The basic view of epic is as follows:



For detailed description of epics click on  
<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/roadmap>

Q4) Make a tentative release plan, by assigning the stories to three sprints.

Ans) Here I am considering four sprints of smart weather. The first sprint is User Registration and its duration is from 21<sup>st</sup> March 2023 to 2<sup>nd</sup> April 2023. The second sprint is Web Portal Integration and its duration is from 4<sup>th</sup> April 2023 to 18<sup>th</sup> April 2023. The third Sprint is Provision for Advertisements and its duration is from 19<sup>th</sup> April 2023 to 3<sup>rd</sup> May 2023 and the last one is Location Detection and its duration is from 4<sup>th</sup> May 2023 to 18<sup>th</sup> May 2023

S.No	Sprint Name	Release Plan(Duration)
1	User Registration	21/03/2023 to 2/04/2023
2	Web Portal Integration	04/04/2023 to 18/04/2023
3	Provisions for Advertisements	19/04/2023 to 03/05/2023
4	Location Detection	04/05/2023 to 18/05/2023

The sprint view is as follows:

**Smart Weather Web ...** Software project

**Backlog**

Projects / Smart Weather Web Portal

Backlog

PLANNING

- Roadmap
- Backlog**
- Board

DEVELOPMENT

- Code

Project pages

Add shortcut

Project settings

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User Registration 21 Mar – 2 Apr (3 issues)

The goal of this sprint is to capture maximum number of free and paid users on the smart weather web portal. Once the user gets registered on the portal they must get notified by an email.

- SWWP-10 Registration of free users on Smart Weather Web Portal **REGISTRATION OF USERS** IN PROGRESS
- SWWP-11 Registration of Paid users on Smart Weather Web Portal **REGISTRATION OF USERS** TO DO
- SWWP-25 The smart weather web portal must also display the profile picture of paid users **REGISTRATION OF USERS** DONE

+ Create issue

Web Portal Integration 4 Apr – 18 Apr (4 issues)

The goal of this sprint is to create a dynamic user interface for all free and paid users. It must be integrated with public weather services so that all users get an active information of all...

- SWWP-28 Form Design TO DO
- SWWP-19 Schema needs to be created inside the database **DATABASE CREATION** TO DO
- SWWP-22 The Portal must be integrated with public weather services around t... **USER INTERFACE OF SMART WEAT...** TO DO
- SWWP-29 Control for the Paid Services TO DO

+ Create issue

Provisions for Advertisements 19 Apr – 3 May (3 issues)

0 0 0 Start sprint

0 0 0 Start sprint

**Smart Weather Web ...** Software project

**Backlog**

Projects / Smart Weather Web Portal

Backlog

PLANNING

- Roadmap
- Backlog**
- Board

DEVELOPMENT

- Code

Project pages

Add shortcut

Project settings

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Web Portal Integration 4 Apr – 18 Apr (4 issues)

The goal of this sprint is to create a dynamic user interface for all free and paid users. It must be integrated with public weather services so that all users get an active information of all...

- SWWP-28 Form Design TO DO
- SWWP-19 Schema needs to be created inside the database **DATABASE CREATION** TO DO
- SWWP-22 The Portal must be integrated with public weather services around t... **USER INTERFACE OF SMART WEAT...** TO DO
- SWWP-29 Control for the Paid Services TO DO

+ Create issue

Provisions for Advertisements 19 Apr – 3 May (3 issues)

0 0 0 Start sprint

For detailed description of sprint click on  
<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/backlog>

Smart Weather Web ...  
Software project

**PLANNING**

- Roadmap
- Backlog**
- Board

**DEVELOPMENT**

- Code

**Project pages**

**Add shortcut**

**Project settings**

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Learn more

Backlog

Search SP Insights

Epic Type

**Provisions for Advertisements** 19 Apr – 3 May (3 issues)

There must be the provisions for Advertisements on Android and iOS Apps. In Android as well as in iOS App there should be a separate section or banner which displays content related to...

- SWWP-20 Must have provisions for advertisements of Android Mobile Apps CREATION OF ANDROID MOBILE A... TO DO
- SWWP-21 Must have provisions for advertisements of iOS Mobile apps CREATION OF IOS SMART WEATHE... TO DO
- SWWP-30 Publication of Services TO DO

+ Create issue

**Location Detection** 4 May – 18 May (3 issues)

0 0 0 Start sprint

**Backlog** (9 issues)

4 0 0 Create sprint

Smart Weather Web ...  
Software project

**PLANNING**

- Roadmap
- Backlog**
- Board

**DEVELOPMENT**

- Code

**Project pages**

**Add shortcut**

**Project settings**

You're in a team-managed project

Learn more

Backlog

Search SP Insights

Epic Type

**Location Detection** 4 May – 18 May (3 issues)

The goal of this sprint is to detect location through GPS or IP.

- SWWP-12 The location detection is possible through GPS or IP address LOCATION DETECTION IN PROGRESS
- SWWP-13 Information of Current Weather ie Temperature in Centigrates must be visible in ... LOCATION DETECTION TO DO
- SWWP-24 The Smart Weather Web Portal must display forecasts for five,ten and 15 days at... LOCATION DETECTION TO DO

+ Create issue

**Backlog** (9 issues)

4 0 0 Create sprint

SWWP-27 Assignment of Severe Weather Advisorv TO DO

## Q5) Start and complete one sprint

Ans) The name of the first sprint is User Registration. Its start date is 21/03/2023 and its expected date of completion is 2/04/2023.

The below mentioned is the screenshot of first sprint

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The left sidebar is open, showing navigation options like PLANNING (Roadmap, Backlog), DEVELOPMENT (Code), and utility links (Project pages, Add shortcut, Project settings). The main area is titled 'Backlog' under 'Projects / Smart Weather Web Portal'. It displays a list of user stories grouped by sprint:

- User Registration** (21 Mar – 2 Apr, 3 issues):
  - SWWP-10: Registration of free users on Smart Weather Web Portal (REGISTRATION OF USERS) - IN PROGRESS
  - SWWP-11: Registration of Paid users on Smart Weather Web Portal (REGISTRATION OF USERS) - TO DO
  - SWWP-25: The smart weather web portal must also display the profile picture of paid users (REGISTRATION OF USERS) - DONE
- Web Portal Integration** (4 Apr – 18 Apr, 4 issues):
  - SWWP-10 (from above)
  - SWWP-11 (from above)
  - SWWP-25 (from above)
  - SWWP-12: [description] (REGISTRATION OF USERS) - IN PROGRESS
- Provisions for Advertisements** (19 Apr – 3 May, 3 issues):
  - SWWP-10 (from above)
  - SWWP-11 (from above)
  - SWWP-25 (from above)

At the top right, there are buttons for 'Create', 'Search', and various project management icons. A 'Backlog' button is highlighted in the sidebar.

The screenshot shows the Jira Software interface for the 'User Registration' sprint under the 'Smart Weather Web Portal' project. The left sidebar is identical to the previous screenshot. The main area is titled 'User Registration' with a goal: 'The goal of this sprint is to capture maximum number of free and paid users on the smart weather web portal. Once, the user gets registered on the portal they must get notified by an email that are successfully registered.' It shows a board with three columns: TO DO, IN PROGRESS, and DONE.

Column	Issue	Status
TO DO 1 ISSUE	Registration of Paid users on Smart Weather Web Portal (REGISTRATION OF USERS) SWWP-11	
IN PROGRESS 1 ISSUE	Registration of free users on Smart Weather Web Portal (REGISTRATION OF USERS) SWWP-10	
DONE 1 ISSUE	The smart weather web portal must also display the profile picture of paid users (REGISTRATION OF USERS) SWWP-25	

At the top right, there are buttons for 'Complete sprint', 'Start sprint', and various project management icons. A 'Board' button is highlighted in the sidebar.

For viewing first sprint click on  
<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/backlog>

For viewing the sprint board of first sprint click on

<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2>

Q6) Submit screenshots of: Epics, Backlog, release plan, and Scrum board with tasks in various states.

Ans) The screenshot of Epic is as follows:

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

Roadmap

Planning Backlog Board Development Code Project pages Add shortcut Project settings

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Projects / Smart Weather Web Portal Roadmap

Give feedback Share Export ...

Status category Epic

FEB MAR APR

Sprints

- SWWP-1 Registration of Users
- SWWP-2 Location Detection
- SWWP-3 Registration of Satellite Images
- SWWP-4 User Interface of Smart Weath...
- SWWP-5 Creation of Android Mobile A...
- SWWP-6 Creati... of IOS Smart Weathe...
- SWWP-7 Database Creation

User Registration Web Portal Integrat... Provisions for Adver...

Today Weeks Months Quarters

The Screenshot of Backlog is as follows:

Jira Software Your work Projects Filters Dashboards People Apps Create

Smart Weather Web ... Software project

Roadmap Backlog Board Development Code Project pages Add shortcut Project settings

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Projects / Smart Weather Web Portal Backlog

Epic Type

Backlog (9 issues)

Issue Key	Description	Type	Status	Assignee
SWWP-27	Assignment of Severe Weather Advisory	TO DO	TO DO	
SWWP-8	Registration of Free Users on Smart Weather Web Portal	TO DO	TO DO	
SWWP-23	Information related to seasonal forecast ie Prediction of snowfall,rai...	REGISTRATION OF SATELLITE IMA...	TO DO	
SWWP-9	Registration of Free Users on Smart Weather Web Portal	TO DO	TO DO	
SWWP-14	Information of Current Weather ie Temperature in Centigrates must ...	REGISTRATION OF SATELLITE IMA...	TO DO	
SWWP-15	The Time Lapse Videos of Satellite forecast must be visible in Web ...	REGISTRATION OF SATELLITE IMA...	TO DO	
SWWP-16	There must be provisions for various advertisements on Smart Weath...	USER INTERFACE OF SMART WEAT...	TO DO	
SWWP-17	Some Services must be assigned for android weather mobile apps	CREATION OF ANDROID MOBILE A...	TO DO	
SWWP-18	Android mobile app services are divided in free and paid categories	CREATION OF ANDROID MOBILE A...	TO DO	

4 0 0 Create sprint

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The left sidebar is collapsed, showing options like 'Backlog' (which is selected), 'Roadmap', 'Board', 'Code', and 'Project pages'. The main area is titled 'Backlog' and displays a list of issues with their status (e.g., 'TO DO') and labels (e.g., 'REGISTRATION OF SATELLITE IMA...'). A search bar at the top right includes filters for 'SP' (Story Points) and 'Epic'.

Issue ID	Description	Labels	Status
SWWP-23	Information related to seasonal forecast ie Prediction of snowfall,rai...	REGISTRATION OF SATELLITE IMA...	TO DO
SWWP-9	Registration of Free Users on Smart Weather Web Portal		TO DO
SWWP-14	Information of Current Weather ie Temperature in Centigrates must ...	REGISTRATION OF SATELLITE IMA...	TO DO
SWWP-15	The Time Lapse Videos of Satellite forecast must be visible in Web ...	REGISTRATION OF SATELLITE IMA...	TO DO
SWWP-16	There must be provisions for various advertisements on Smart Weath...	USER INTERFACE OF SMART WEAT...	TO DO
SWWP-17	Some Services must be assigned for android weather mobile apps	CREATION OF ANDROID MOBILE A...	TO DO
SWWP-18	Android mobile apps services are divided in free and paid category	CREATION OF ANDROID MOBILE A...	TO DO

The screenshot of release plan of various sprints is as follows:

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The left sidebar is collapsed, showing options like 'Backlog' (selected), 'Roadmap', 'Board', 'Code', and 'Project pages'. The main area is titled 'Backlog' and displays a list of sprints with their start and end dates, issue counts, and status. A search bar at the top right includes filters for 'SP' (Story Points) and 'Epic'.

Sprint Name	Start Date	End Date	Issues	Status
User Registration	21 Mar	2 Apr	(3 issues)	0 0 0 Complete sprint
Web Portal Integration	4 Apr	18 Apr	(4 issues)	0 0 0 Start sprint
Provisions for Advertisements	19 Apr	3 May	(3 issues)	0 0 0 Start sprint
Location Detection	4 May	18 May	(3 issues)	0 0 0 Start sprint
Backlog	(9 issues)		4 0 0	Create sprint
SWWP-27	Assignment of Severe Weather Advisory		4 TO DO	
SWWP-8	Registration of Free Users on Smart Weather Web Portal		TO DO	
SWWP-23	Information related to seasonal forecast ie Prediction of snowfall,rai...		REGISTRATION OF SATELLITE IMA...	TO DO

The screenshot of User Registration Sprint in the scrum board is as follows:

The screenshot shows the Jira Software interface for the 'Smart Weather Web ...' project. The top navigation bar includes links for 'Your work', 'Projects', 'Filters', 'Dashboards', 'People', 'Apps', and a 'Create' button. A search bar and various icons are also present. The main area displays a 'User Registration' epic with a goal to capture maximum users. The board is divided into three columns: 'TO DO 1 ISSUE', 'IN PROGRESS 1 ISSUE', and 'DONE 1 ISSUE'. Each column contains one task, all labeled 'REGISTRATION OF USERS'. The tasks are identified by IDs: SWWP-11 (in TO DO), SWWP-10 (in IN PROGRESS), and SWWP-25 (in DONE). The DONE task has a checkmark icon.

For viewing epics click on

<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/roadmap>

For viewing backlog and release plan click on

<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2/backlog>

For viewing scrum board click on

<https://simplilearns.atlassian.net/jira/software/projects/SWWP/boards/2>