Smart Weather (With Jira)

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Description

The purpose of the project is to apply the concepts learned in the Agile Scrum Master course by analyzing a hypothetical organization.

Project Description

GTM systems is a large IT company with offices all around the world. The company delivers software products and services to corporate clients. One of the reasons for its enduring success and consistent performance over the years is the ability to leverage technology and find innovative applications for it.

SmartWeather

With climate change increasing the unpredictability of local weather conditions, there has been great demand for technology that can provide reliable weather information. Weather conditions impact several organizations and businesses – ranging from agriculture, outdoor event management, hospitality, travel and tourism, and healthcare.

While GTM has no expertise in meteorology, it proposes to aggregate weather data from multiple providers and use analytics to correlate it with meaningful conclusions for businesses.

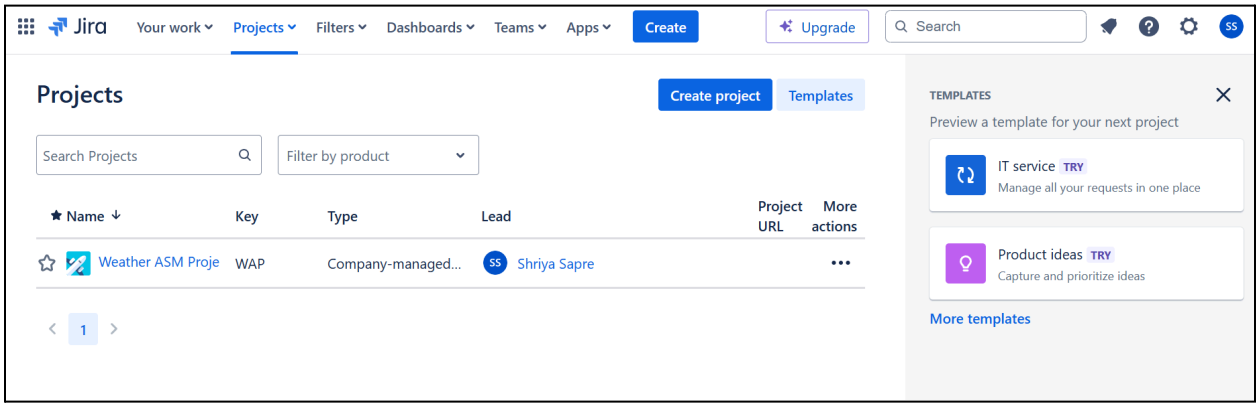
Example use cases could be generating forecasts based on local weather conditions around:

1. Consumption of hot versus cold beverages depending on cold, sunny, or rainy weather
2. Number of visitors to a tourist site or an open-air entertainment event
3. Likelihood of seasonal illnesses such as flu in particular locations

The main system will comprise a web portal and a set of “apps” available on the popular mobile operating systems. Apart from this, clients can ask for specific services or apps based on the insights that the analytics can generate.

1. Creating a project in Jira:

   Obtained a Jira account and created a scrum project.



2. Creating a backlog:

   Created a backlog using 5 epics and 3 user stories each. Acceptance criteria for user stories are described using Gherkins syntax.

Epic 1: SignUp and Login Function

US1: Create a SignUp using Email ID

As a User, I want to be able to click on the Sign up button to be able to enter my Username, password and receive an OTP on my email id to sign up successfully into the app

Acceptance Criteria :

Given a sign up Form

When the user enters the Username, password and the OTP sent to the email id

Then the User should be able to sign successfully into the application

Subtask:

1. UX/UI design
2. Frontend Dev
3. Backend Dev
4. Documentation

US2: Create SignUp using facebook credentials

As a User, I want to able to use my facebook user ID and password to be able to sign up into the app.

Acceptance Criteria :

Given a sign up Form

When the user enters the facebook Username and password

Then the User should be able to sign successfully into the application.

US3: Create a Login Page

As a User, I want to be able to click on the Login button using Username and password created during signup or OTP to successfully login to the app.

Acceptance Criteria:

Given a Login Form

When the user enters Username and the password or the OTP received on email ID

Then the user should be able to successfully login to the app

US4: As a User, I would like to reset my password so that I can always access the app

Epic 2: Payment Gateway for various payment methods

Description: Integrate a payment gateway and define the various payment methods

Integrate Stripe

Add Debit/Credit Card payment

Add Google pay, Whatsapp pay and Apple pay

US5: Payment via stripe Gateway

As an application User I should be able to use Stripe Payment Gateway for payment applications. So that I can complete my payment for all purchases.

Acceptance Criteria :

Given the payment page

When the User clicks on payment button

Then the User should be able to use Stripe for making payment

US6: Add Debit/Credit card payment

As an App user I should be able to add my debit card or credit card details along with OTP in the payment gateway, so that I can complete my payment for all the purchases.

Acceptance Criteria:

Given the payment page

When the user clicks on Pay by Debit/credit card option, enters debit/credit card details and OTP

Then user should be able to successfully complete the payment for the purchase

US7:Payment Via Google PAy, WhatsApp Pay and ApplePay

As an application User I should be able to use Google PAy, WhatsApp Pay and ApplePay for payment applications, So that I can complete my payment for all purchases.

Acceptance Criteria :

Given the payment page

When the enters UPI ID for Google Pay/WhatsApp Pay/ApplePay

Then the User should be able to pay through this payment gateway for purchase

US 8: As a user, I would like to revise my paid subscription option so that I can modify plans according to my needs

Epic 3: GPS and Location Services

US9: As a User, I want Application to detect location based on GPS and IP so that I do not have to enter it manually and location will be detected without error.

US10: As I user, I would like to sync the weather data into user login so that I will get weather updates and data as per my location

US11: As a paid user, I would like to have weather data analytics and report so that I can easily interpret the weather trend.

Epic 4: Weather Service Integration

US12: As a Travel agent, I want to see the weather forecast for the next 30 days based on location to plan trips and outdoor events.

US13: As a travel agent, I want to receive weather warnings to plan trips accordingly and keep my clients safe.

US14: As a travel agent, I want to see trends in weather for marketing and business analysis purposes.

Epic 5: Training and Support

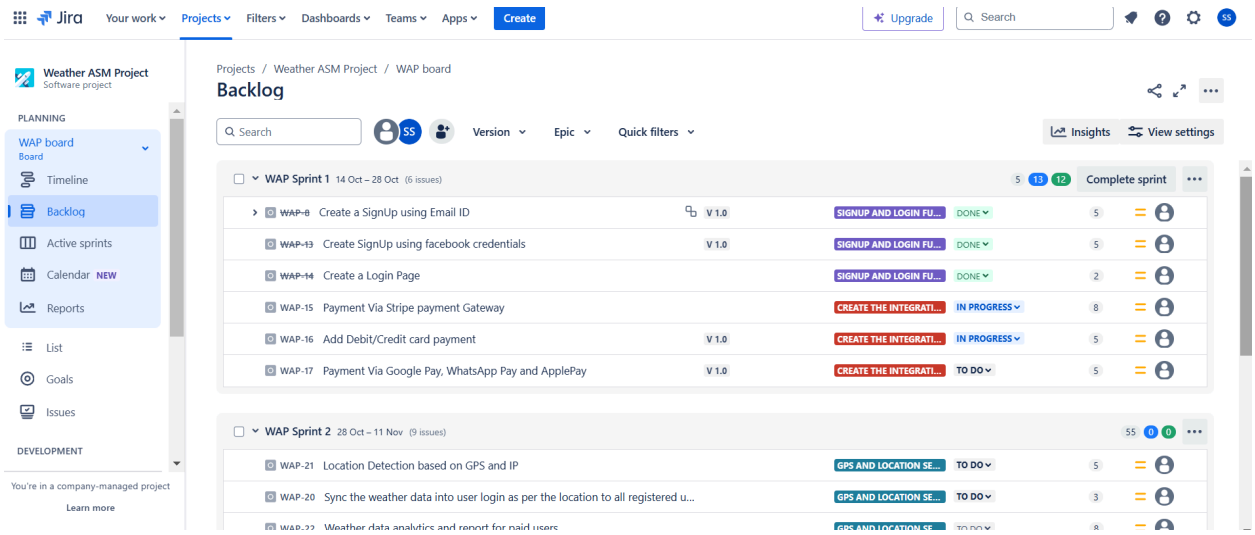
US15: As an application User, I would like to refer to demo video so that I can easily refer it and use the app

US 16: As an paid subscriber, i would like to receive the latest updates in the Smart Weather app so that I can utilize new feature for maximum benefits

US17: As a User, I would like to have Live chat support so that I can resolve my queries quickly.

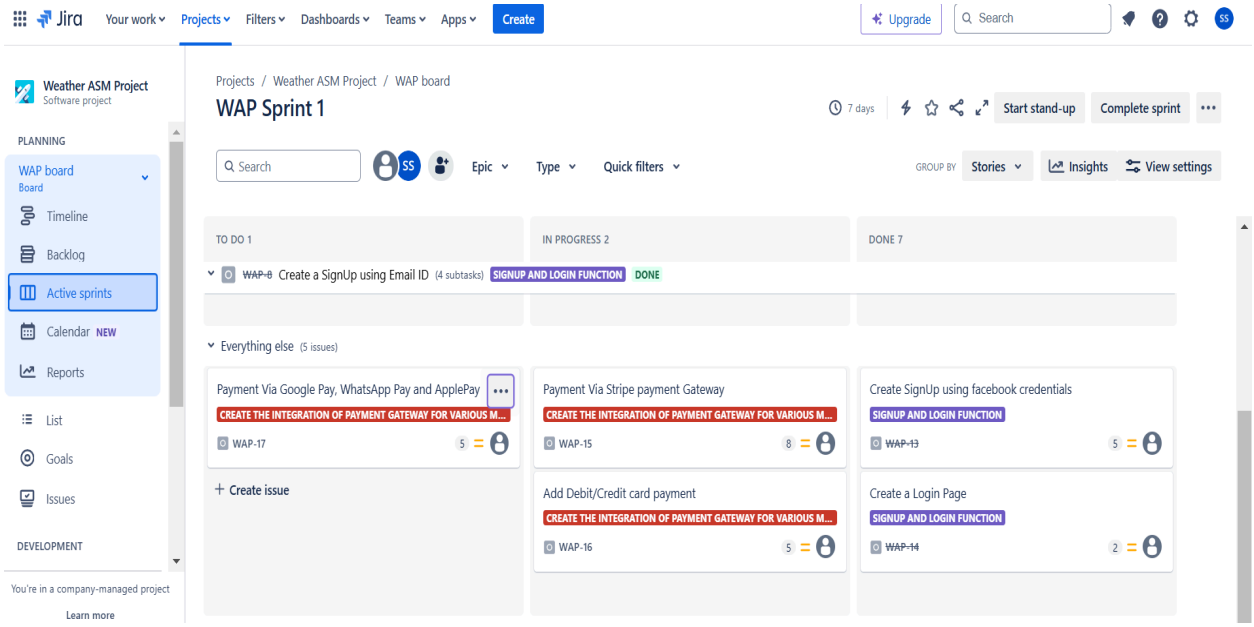
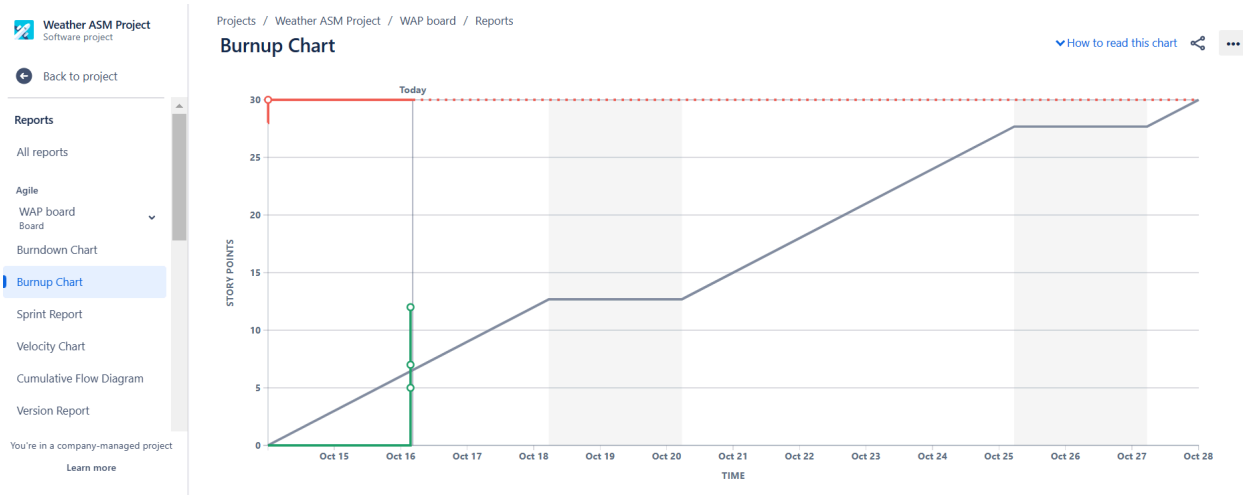
3. Backlog Management in Jira:

Created Epics, user stories and subtasks in backlog, assigned them story points, linked epics and user stories and created sprint.



4. Active sprints:

Created sprints, moved them into ‘In progress’ and ‘completed’ as per the work status.



5. Report: required report can be generated using the tab on the left side panel.