Project: SmartWeather

Company background

SBM is a large IT company with offices all around the world. The company offers a full range of products and services. One of the reasons for its success has been the ability to be a trailblazer in terms of inventing new technology and finding new uses for technology. SBM's emerging technologies division is always monitoring new technology and figuring out ways in which it can serve the community. This project is being executed through this division.

SmartWeather

A Product Owner in the new technologies division came up with the idea of creating a weather portal and providing weather-based services to multiple customers. The basic idea of the weather portal is to be able to pull the weather forecasts for any location from multiple public services and aggregate them for the common user. The data can be put to a number of different uses.

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 data that is collated.

Backlog for main portal

Work Items
Integrate with number of publicly available weather services based on location
Detect location based on GPS (if on a device) or IP
Create a schema for storing weather data based on location
Logic for aggregating the data from multiple weather services
Provide severe weather advisory (push for app users)
Placeholders for advertising on portal and app
Show current weather
Show 5-day forecast by default
Link to 15-day forecast
Link to long range forecast
Show satellite image on a map
Show time-lapse video of satellite forecast
Site should be "responsive" – accessible from mobiles and tablets as well
Publish API/Services for client apps
Create apps for iOS, Android, Windows, and Blackberry

Apart from creating, maintaining, and enhancing the main portal, there are several client projects that are lined up.

Project 1 - BigBucks Café

BigBucks Café is the leading retail chain of premium coffee shops. It would like to use the weather data to customize its products and manage the day-to-day operations. The backlog looks like this.

Work Items
Integrate with the SmartWeather services to get store specific weather data
Use weather data to decide advertising strategy – ice creams during hot weather; coffee in cold weather
Order supplies based on weather – more hot supplies during cold weather and more cold ones during hot or rainy weather
Map supply packages based on weather
Summer order – pick up summer package and adjust quantities before placing the order
Winter order – pick up winter package and adjust quantities before placing the order
Determine promotions and pricing based on weather

Project 2 - LeViva life insurance

LeViva life insurance is one of the world's biggest insurers. The company would like to use the weather data to serve its customers through an app. The backlog looks like this.

Work Items
Integrate with the SmartWeather services to get store specific weather data
Map health tips with weather
Provide health tips on startup based on weather
Allow users to report symptoms and ask for suggested remedies
Allow one-click calling to a nurse or a nearby dispensary
Show the nearest pharmacy and dispensary on a map
Allow sponsored links – e.g. winter jackets during cold weather, flu medicines when pollen is high

Using the project

These are the activities that have to be completed by the learners to be eligible for the Project Experience Certificate powered by JIRA

Step 1 - Conceptualize a Software project which has to be delivered by a 5-member team which has to deliver the software over 2 sprints (at least 2 weeks).

- Minimum of 5 days' sprint cycle should be selected.
- There will be software module release after every sprint.

Step 2 - Prepare an extensive Backlog for the software product.

- All stories should have Epics.
- Stories should also be tagged to Versions.

Step 3 - Prepare at least three Sprints stories.

- Have a mock sprint planning meeting where the stories are groomed and the story points are populated for a sprint.

Step 4 - Start the sprint for a 5-day period.

- Have a mock daily scrum daily and move the stories across columns in the active sprint board.

Step 5 - After the sprint is closed. Provide the Sprint Burndown graph.

Step 6 - Share the reports with the Simplilearn teaching assistants for evaluation and unlocking the JIRA course completion certificate.

- Screenshot of the initial scoreboard of the project (which consists To-Do list, Work -in- Progress, Done).
- Screenshot of the final Scoreboard of the project (Which has all the issues mentioned under Done).
- You can also add rakesh.deshpande@simplilearn.com counting as 1 member out of 4.