Vacation Request

You need to implement a simple one-page application to allow employees to create Vacation Requests.

Requirements:

- You need to create Custom Objects according to the Data Model
- All requirements represent as User Stories with useful links
- You can use only LWC components and Apex classes
- Cover Apex code by Unit Tests
- Create a repo on GitHub, try to commit the changes more often
- Create Admin user for <u>sergey.trusov@truesalessoft.com</u> when the task was done
- More information and link to documentation you can find in Tools Section

Data Model:

Need to create new Custom Object: Vacation Request with following fields:

- RequestType picklist (Vacation, Sick, Unpaid)
- StartDate date
- EndDate date
- WorkingDays Number
- Manager lookup to User
- Status picklist (New, Submitted, Approved)

How to create Custom Object and Fields

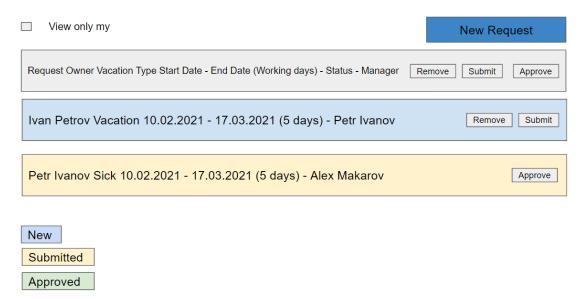
User stories:

- As a user, I can see all users Vacation Requests
 - o Data Binding in a Template
 - o Render Lists in LWC
 - Call Apex Method from LWC
 - Run code on load (ConnectedCallback)
- As a user, I can create a new Vacation Request. After pressing a button, the
 modal window should appear. The user needs to specify: Request Type,
 Start Date, End Date. For all requests, the status should be New. The
 manager should be filled automatically from the Current User Manager
 field(view). If the Manager for Current user isn't specified, you need to show
 an alert message.
 - Modal Window
 - <u>LWC Record Edit Form</u>

- Show Toast message
- As a user, I can not create Vacation Request in the past
- Working Days should be calculated automatically in the Apex Trigger. Need to calculate the number of dates between StartDate and EndDate and subtract Weekends(Saturday and Sunday)
 - o Apex Trigger
- As a user, I can filter all Vacation Request to view only my
- As a user, I can remove only my Vacation Requests in Status New
 - o Render DOM Elements Conditionally
- As a user, I can Submit only my Vacation Requests for Approval. Status should be changed to Submitted.
- As a manager, I can Approve assigned to me Vacation Request in status Submitted

UI Mockup:

Vacation Requests



Tools:

- Salesforce Dev Org <u>Salesforce Developer Portal</u>
- IDE IntelliJ IDEA + JetForcer
- Backend Apex Apex Developer Guide
- Client-Side LWC LWC Docs
- Styles Lightning Design System <u>SLDS</u>

Get started Salesforce development