

# 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 [sergey.trusov@truesalessoft.com](mailto:sergey.trusov@truesalessoft.com) 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
  - [Data Binding in a Template](#)
  - [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](#)
  - [LWC Record Edit Form](#)

- [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)
  - [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
  - [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

☐ View only my
 New Request

Request Owner Vacation Type Start Date - End Date (Working days) - Status - Manager	Remove	Submit	Approve
Ivan Petrov Vacation 10.02.2021 - 17.03.2021 (5 days) - Petr Ivanov	Remove	Submit	
Petr Ivanov Sick 10.02.2021 - 17.03.2021 (5 days) - Alex Makarov			Approve

New
Submitted
Approved

## Tools:

- Salesforce Dev Org - [Salesforce Developer Portal](#)
- IDE - [IntelliJ IDEA](#) + [JetForcer](#)
- Backend - **Apex** - [Apex Developer Guide](#)
- Client-Side - **LWC** - [LWC Docs](#)
- Styles - **Lightning Design System** - [SLDS](#)

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