

Vision Document

[Vacation Tracking System]



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Team Members:

Abhijeet Sharma (B15102)

Akash Agarwal (B15303)

¹<https://www.parents.com/health/parents-news-now/family-vacations-have-long-lasting-impact-on-kids-happiness/>

² www.iitmandi.ac.in

Introduction

When we talk of large institutions with huge number of employees, keeping information about leaves taken by each employee and approving for further leaves based on the Institute policy becomes a very tedious task for the HR department. Also the request goes through approvals from different officials (like Student needs approval from faculty advisor before Dean Academics in our case) and all this process takes time.

So we want a system that can make this process easy for everyone. Users should be able to request for leaves and plan his/her vacations accordingly. From approvers viewpoint it should be easy to see if the request by employee is in accordance with the Institute policy and whether to grant him leave or not.

The system is much more aid to the HR department than to the individuals as it is not much tedious to manage our own leaves taken but the tasks becomes harder when it comes to managing leaves of huge number of employees and entertaining their requests and responding them quickly.

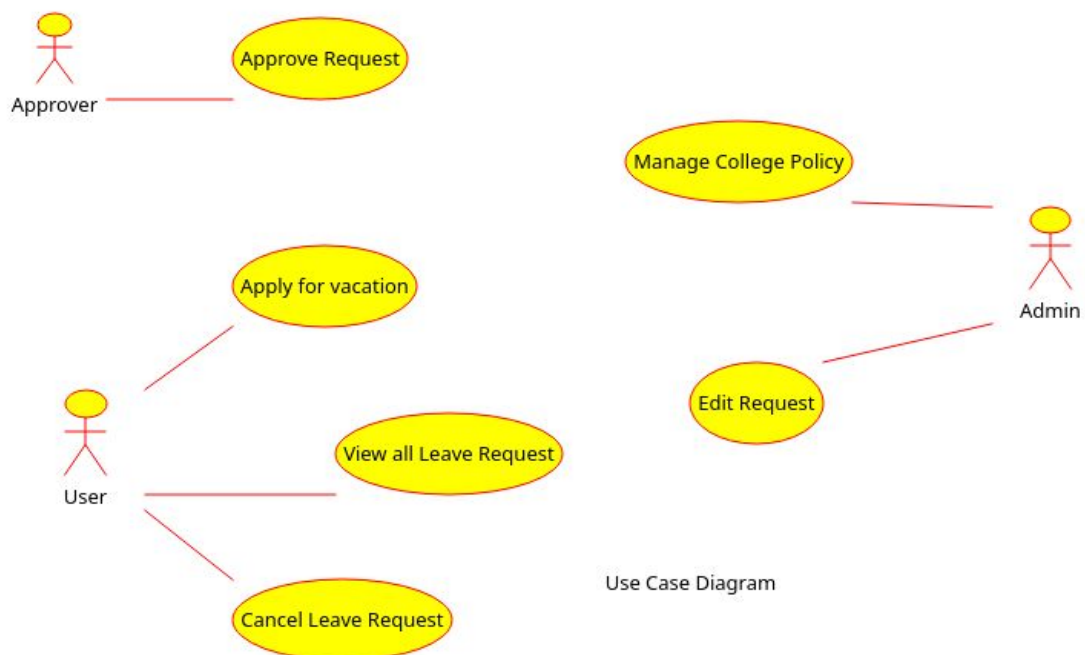
We want a system which can be easily extended in future to do some more tasks.

Key Features

The system will provide the following key features:

- ❑ Applying, validating and verifying for vacations.
- ❑ Keeps activity logs for each employee.
- ❑ Easy Amendments to systems for policy change
- ❑ Intelligent Workflow.

Use Case [Diagram + Explanation]



Actors

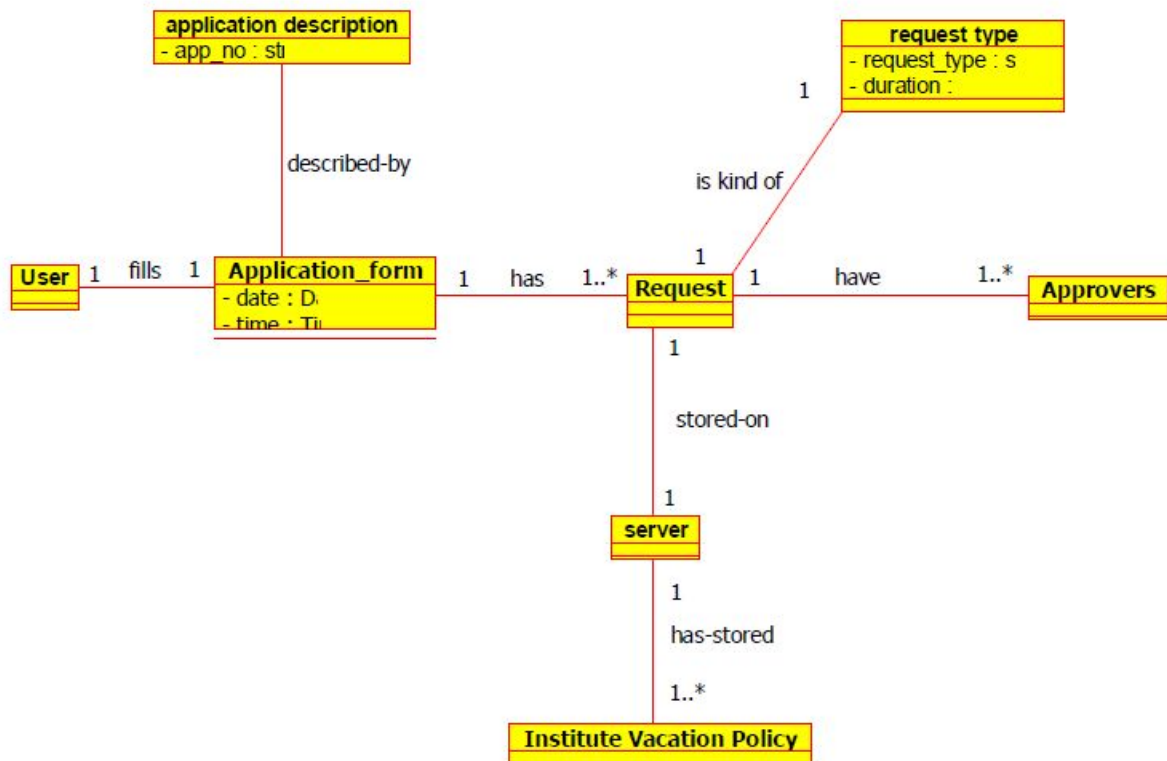
- ❖ User: All the Entities using this system for management of there vacation will be denoted by this actor. In Our case this will contain
 - Students.
 - Faculties.
 - Staff.
- ❖ Approver: This Entity will be a user with special privileges. Also different user categories may have one or more different approvers.
- ❖ HR: This Entity will be responsible for managing and updating our system policies from time to time.

Use-cases

- ★ New Request: Applying for new request.
- ★ View Request: View old requests.
- ★ Cancel Request: Cancel old request.
- ★ Approve Request: Approve Pending Requests.
- ★ Edit Record: Edit Data Records.
- ★ Manage College Policy: Mange policies.

Domain Model

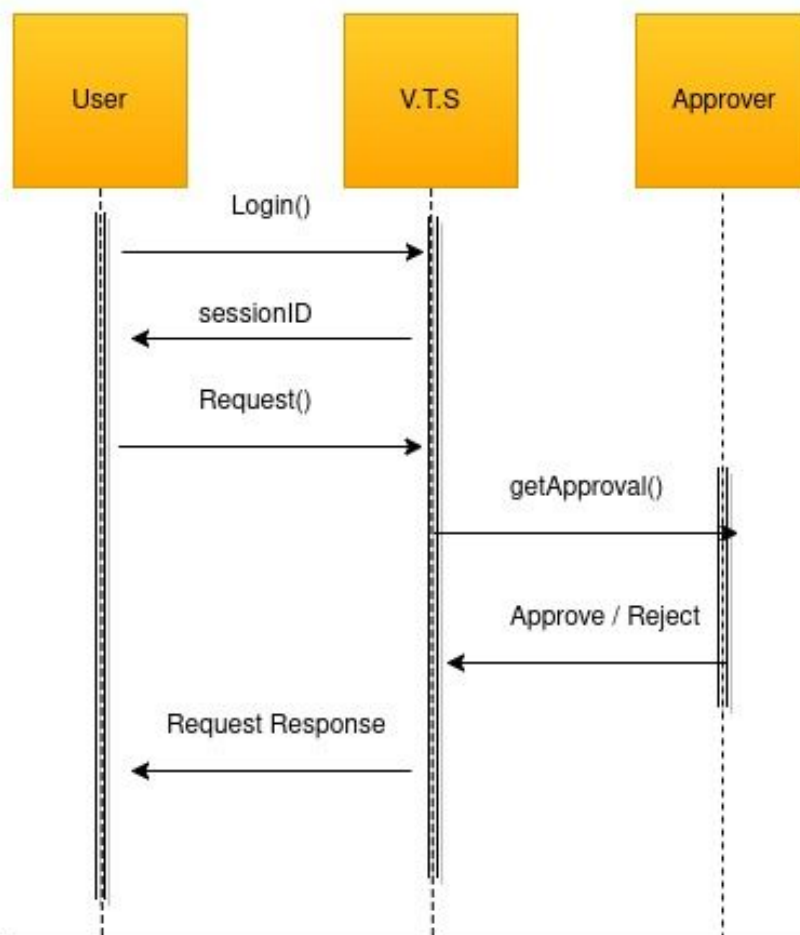
Domain model is a visual representation of conceptual classes and real world objects present in domain of interest.



Domain Model

System Sequence Diagram

A system sequence diagram is a sequence diagram that shows, for a particular scenario of a use case, the events that external actors generate, their order, and possible inter-system events.



System Sequence
Diagram

References

1. Bobbi J. Young, O. (2007). Object-Oriented Analysis and Design with Applications (3rd Edition)