SenteApp

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Introduction

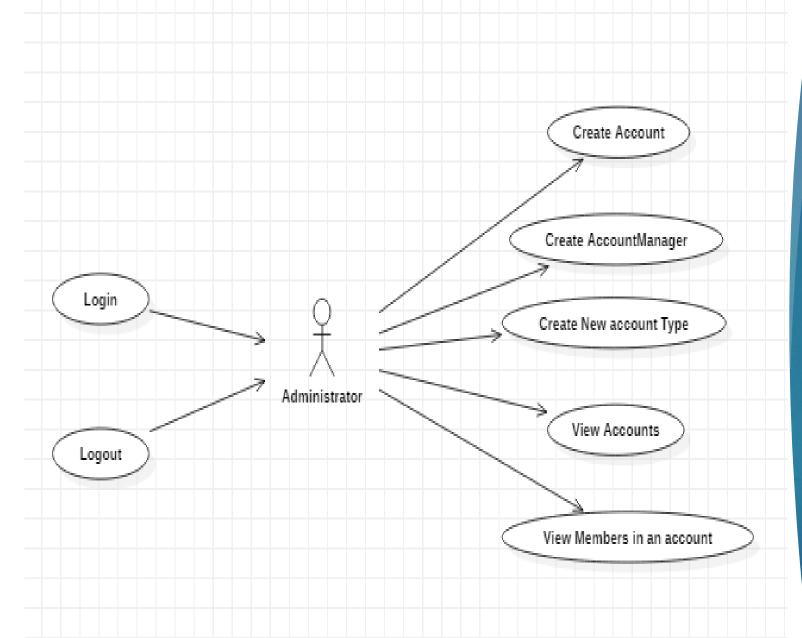
A mobile/Web application that manages savings and loans of individuals belonging to a group.

Stake Holders

- Administrator
- Account Manager
- Account Member

Problem Statement

The problem of	managing member savings and permitting them to apply and be granted loans off their savings
Affects	administrators, account managers, and members
the impact of which is	tracking is complex, must be manually maintained, and changed frequently
a successful solution would be	A smart tool that would Track savings, Issue Loans for any group of members integrates the business rules for loan eligibility. This tool will provide a Database and a user interface that is easy to use for members, account managers, and System admins

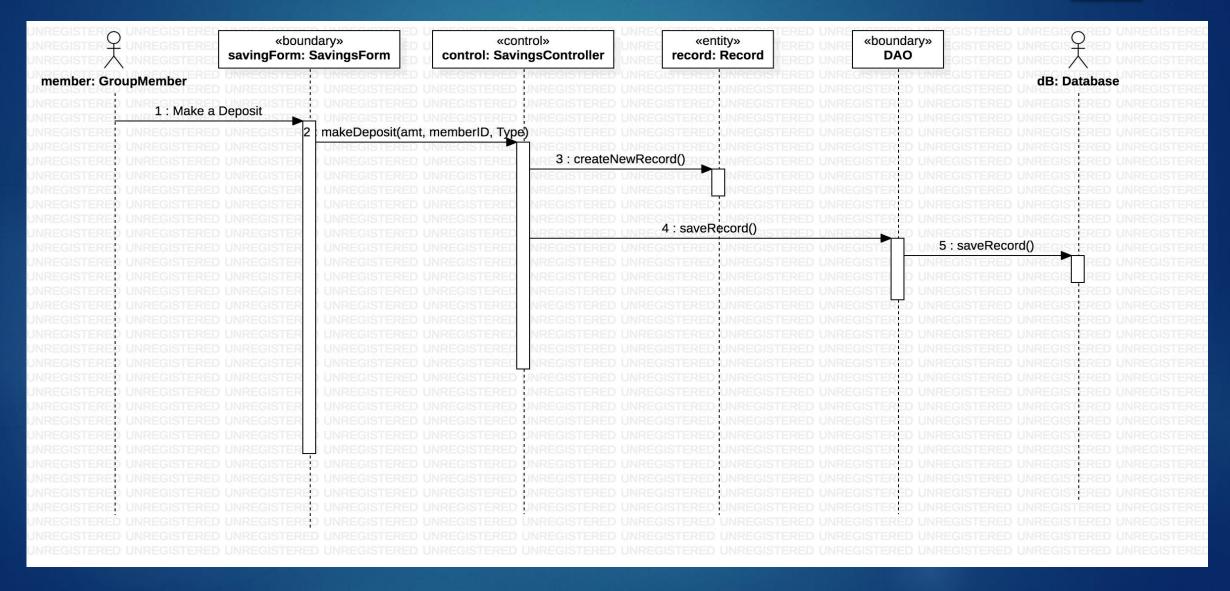


Use Cases

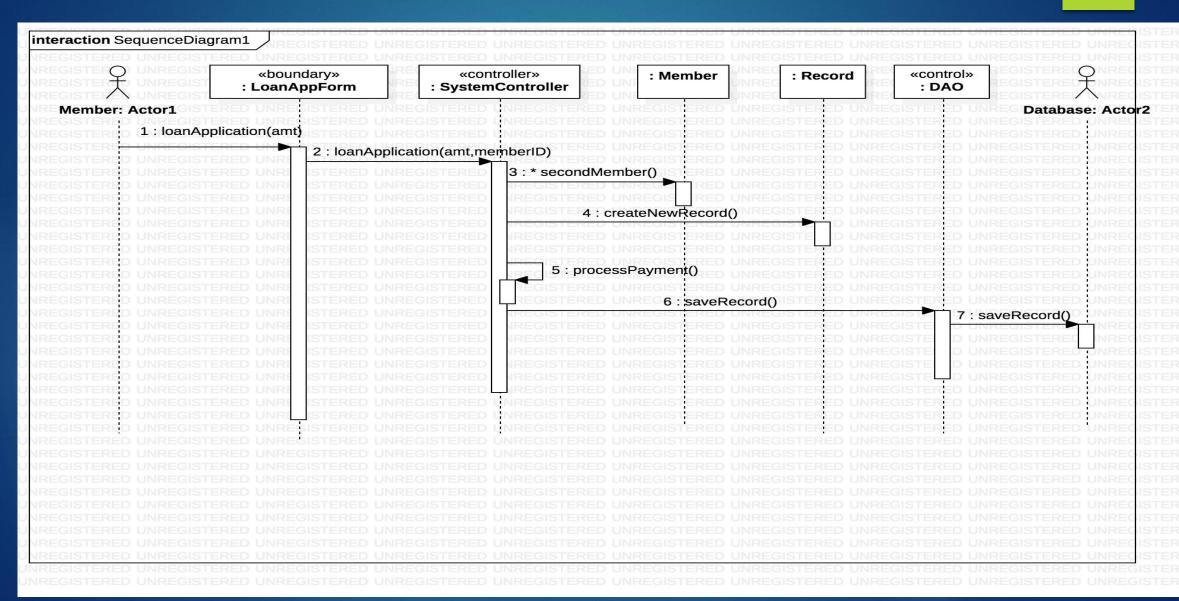
Make Deposit View Statement Second Member Group Member Loan Application Generate Report Logout Login Create Member Edit Member Account Manager Approve Loan Request Read or View Member

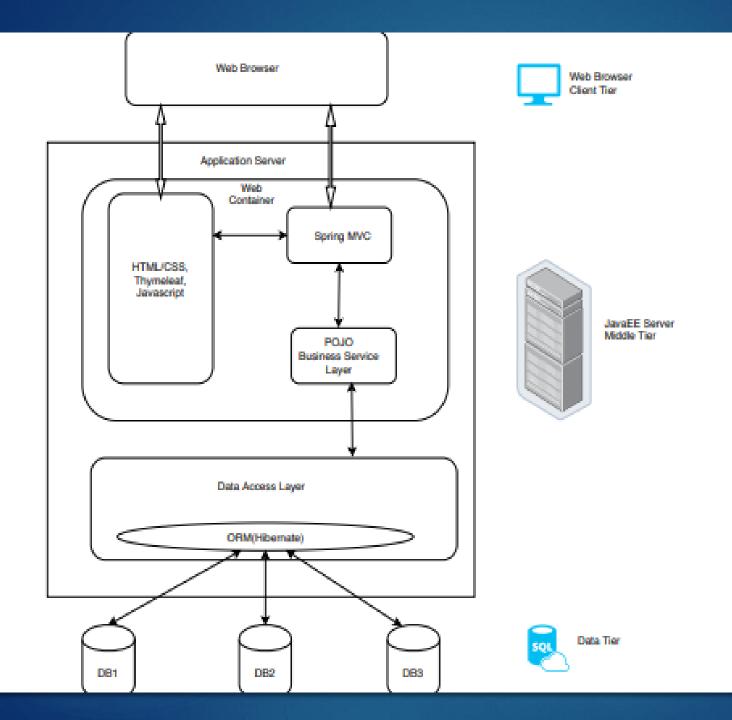
Use Cases

Sequence Diagram – Make Deposit



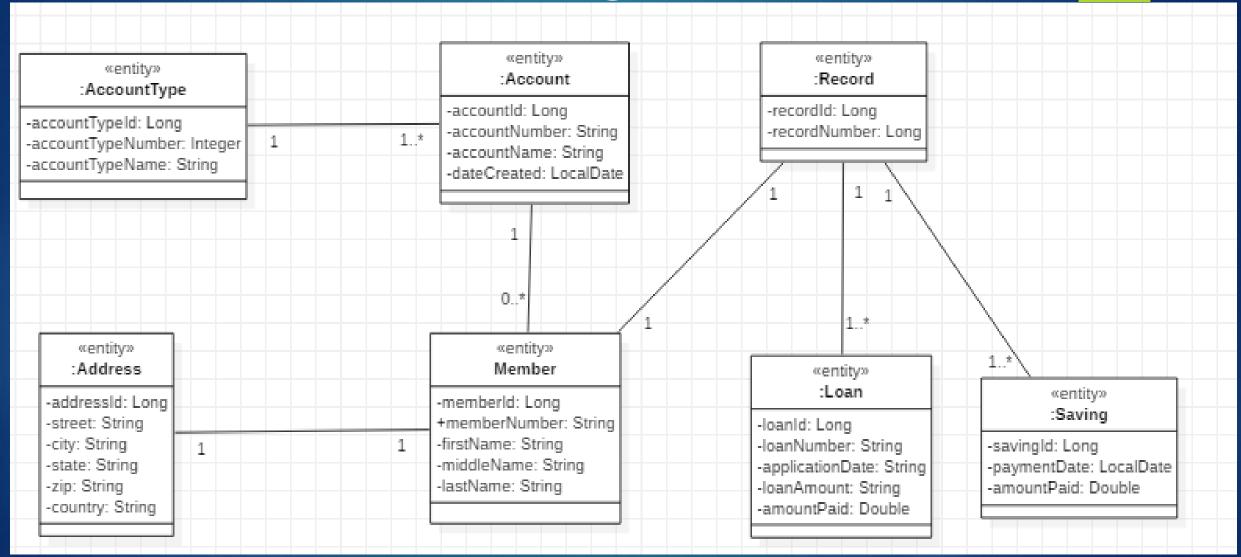
Sequence Diagram – Loan Application





System Architecture

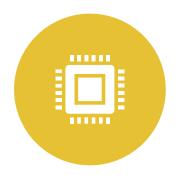
Class Diagram



users ■ hibernate_sequence ▼ id INT(11) address_id BIGINT(20) next_val BIGINT(20) email VARCHAR (255) city VARCHAR (255) password VARCHAR (255) country VARCHAR (255) username VARCHAR(255) state VARCHAR (255) street VARCHAR (255) accounts account_id BIGINT (20) loan_id BIGINT(20) record_id BIGINT(20) account_name VARCHAR(255) application_date DATE orecord_number BIGINT(20) account_number VARCHAR(255) date_of_issue DATE total_saving DOUBLE date_created DATE due_date DATE account_manager_member_id BIGINT (20) ○ loan_amount DOUBLE ♠ account_type_id BIGINT(20) oloan_number VARCHAR(255) applicant_member_id BIGINT (20) first_seconder BIGINT (20) second_seconder BIGINT (20) saving_id BIGINT (20) ______ | approval_id BIGINT(20) amount_paid DOUBLE deposit_type VARCHAR(255) — — — — — — ♦ 🗘 loan_loan_id BIGINT (20) payment_date DATE L _ _ _ _ _ _ verified_payment BIT(1) roles loans_installments accounttypes id INT (11) account_type_id BIGINT(20) member_id BIGINT(20) · • record_record_id BIGINT (20) ♦ loan_loan_id BIGINT (20) name VARCHAR (255) ♦ loan_list_loan_id BIGINT(20) role_id INT(11) ♦ installment_list_installment_id BIGINT(20) account_type_number INT(11) email VARCHAR(255) first_nam e VARCHAR(255) last_name VARCHAR(255) member_number BIGINT (20) omiddle_name VARCHAR(255) →I- ○ account_account_id BIGINT (20) orecord_id BIGINT(20) user_id INT(11) records_savings installments record_record_id BIGINT (20) installment_id BIGINT (20) saving_list_saving_id BIGINT(20) installment_number INT(11) payment_date DATE

ER Diagram

Technologies Used



LANGUAGES – JAVA, JAVASCRIPT AND HTML



FRAME WORKS – SPRING BOOT, BOOTSTRAP



DATABASE - MYSQL



SECURITY – SPRING SECURITY

Thank You