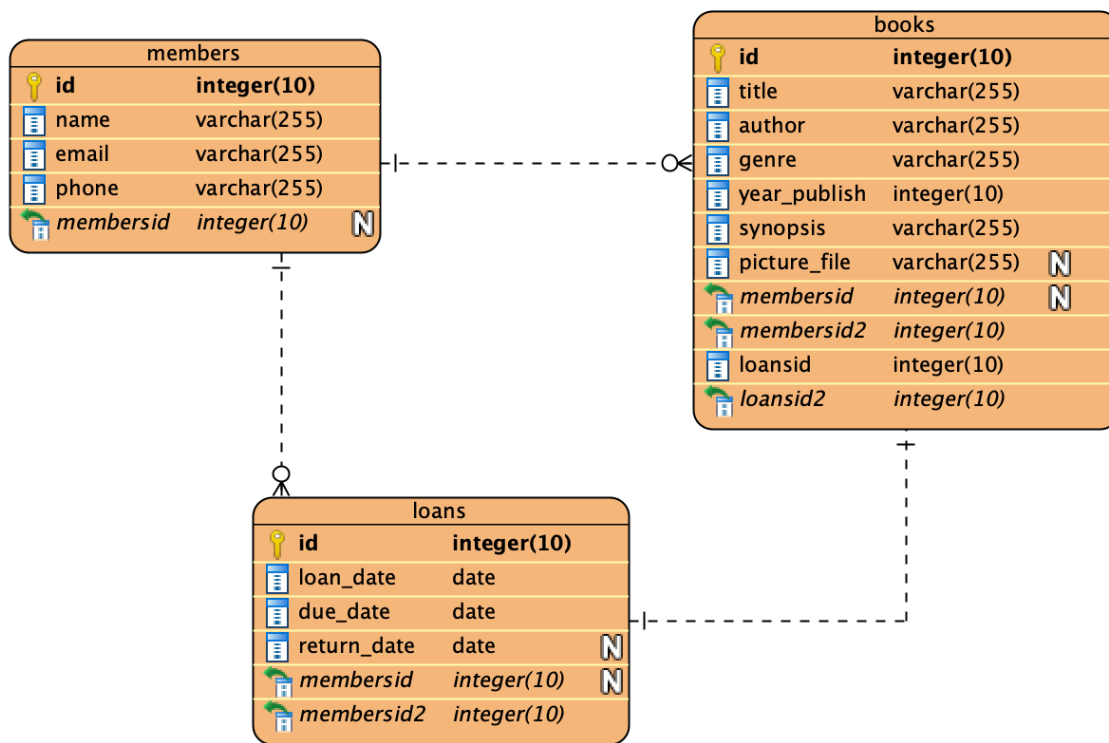


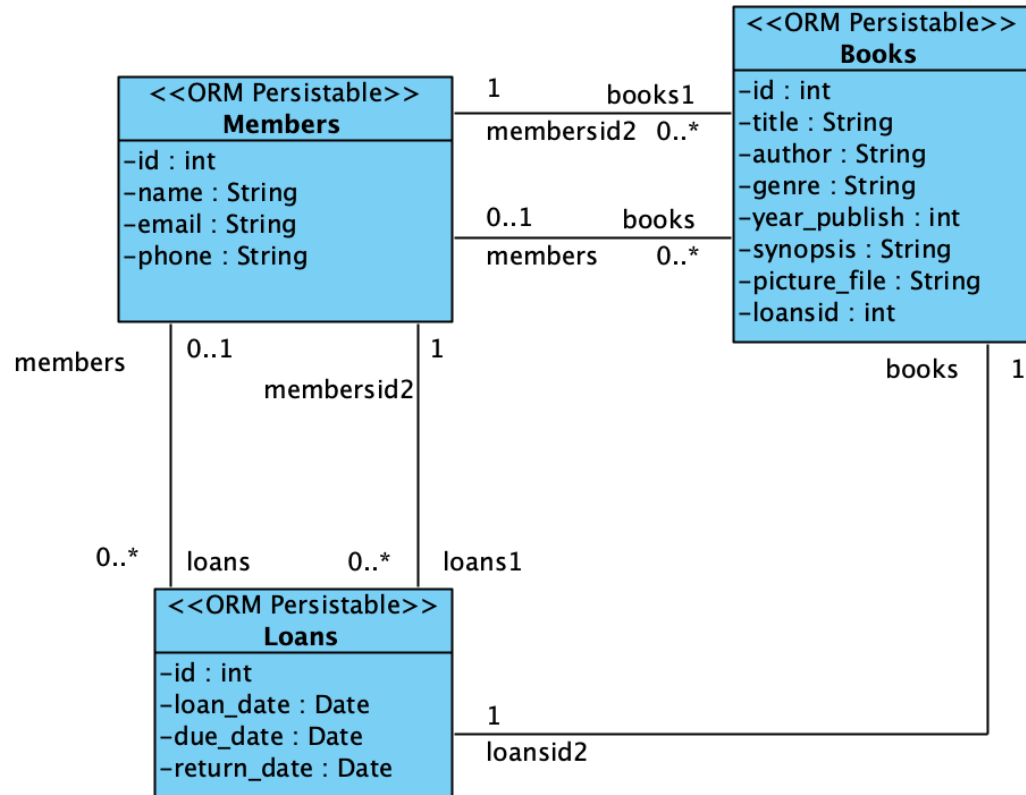
Nama : Shalomeira Valencia Winata
Jurusan : Information System for Business
NIM : 0706022010007
Angkatan : 2020

Github Link <https://github.com/shalomeiravw/sertifikasi2023.git>

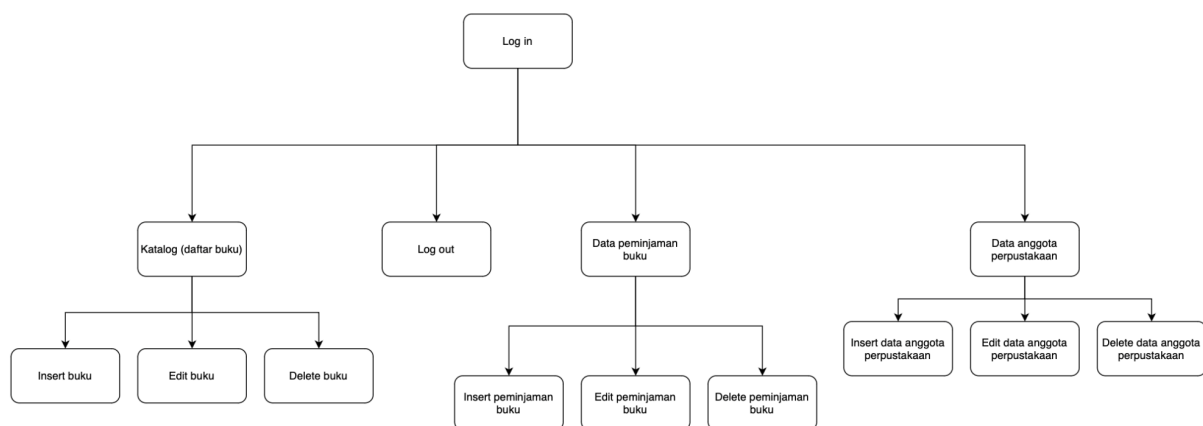
ERD



Class Diagram



Skenario Testing



Hasil Unit Testing

| Task | Action Flow | Priority | Test Step | Constraint | Expected Result | Actual Result | Test Result |
|----------------|-------------|----------|--|---|-------------------------|-------------------------|-------------|
| Authentication | Register | High | 1. Click "Register" 2. Fill all the data 3. Click "Register" | 1.Go to Register page 2. Input cannot be empty 3.Password has a minimum of 8 characters | User has been created | User created | pass |
| | Log in | High | 1. Click "Log in" 2. Fill all the data 3. Click "Log in" | 1. First users must register first 2.Input cannot be empty | Direct to dashboard | Directed to dashboard | pass |
| | Log out | High | 1. Click "Log out" 2. Fill all the data 3. Click "Log out" | | Direct to log in page | Directed to log in page | pass |
| Book (Catalog) | Create book | High | 1. Click "+ New Book" 2. Fill all the data 3. Click "Add" | 1.Go to Books page 2.Input cannot be empty except picture | New book has been added | New book was added | pass |

| | | | | | | | |
|---------|---------------|------|---|---|---|--|------|
| | Update book | High | 1. Click "Edit" 2. Fill all the data 3. Click "Save" | 1.Go to Books page 2.Input cannot be empty except picture | Changes has been made on selected data | Changes was made on selected data | pass |
| | Delete book | High | Click "Delete" | Go to Books page | Selected book has been deleted | Selected book was deleted | pass |
| | Search book | High | 1.Type in the search bar 2.Click "Search" | 1.Go to Books page 2.Can only show search results based on the placeholder | Books title, author, genre, or publication year that matches the letters or words searched has been shown | Books title, author, genre, or publication year that matches the letters or words searched was shown | pass |
| Members | Create member | High | 1. Click "+ New Member" 2. Fill all the data 3. Click "Add" | 1.Go to Members page 2.Input cannot be empty | New member has been added | New member was added | pass |
| | Update member | High | 1. Click "Edit" 2. Fill all the data 3. Click "Save" | 1.Go to Members page 2.Input cannot be empty | Changes has been made on selected data | Changes was made on selected data | pass |
| | Delete member | High | Click "Delete" | Go to Members | Selectedembe r has been | Selectedember was deleted | pass |

| | | | | | | | |
|-------|--------------------------|------|---|---|--|---|------|
| | | | | page | deleted | | |
| | Search member | High | 1.Type in the search bar 2.Click "Search" | 1.Go to Members page 2.Can only show search results based on the placeholder | Member name that matches the letters or words searched has been shown | Member name that matches the letters or words searched was shown | pass |
| Loans | Create loan | High | 1. Click "+ Loan" 2. Fill all the data 3. Click "Add" | 1.Go to Loans page 2.Input cannot be empty | 1. New loan has been added 2.Selected book has been updated (member_id is no longer null) | 1. New loan was added 2.Selected book was updated (member_id no longer null) | pass |
| | Update loan | High | 1. Click "Edit" 2. Fill all the data 3. Click "Save" | 1.Go to Loans page 2.Input cannot be empty | Changes has been made on selected data | Changes was made on selected data | pass |
| | Delete loan | High | Click "Delete" | Go to Loans page | Selected loan has been deleted | Selected loan was deleted | pass |
| | Confirm book is returned | High | Click "Returned" | Go to Loans page | 1.Selected loan has been updated (return_date | 1.Selected loan was updated(return_date no longer | pass |

| | | | | | | | |
|--|-------------|------|--|---|---|--|------|
| | | | | | is no longer null) 2.Selected book has been updated(member_id becomes null) | null) 2.Selected book was updated(member_id is now null) | |
| | Search loan | High | 1.Type in the search bar 2.Click "Search" | 1.Go to Loans page 2.Can only show search results based on the placeholder | Loan with member name that matches the letters or words searched has been shown | Loan with member name that matches the letters or words searched was shown | pass |