**Proyek ISYS6163**

**Sistem Informasi Go Camp**

Kelas : BL11

Kelompok : 08

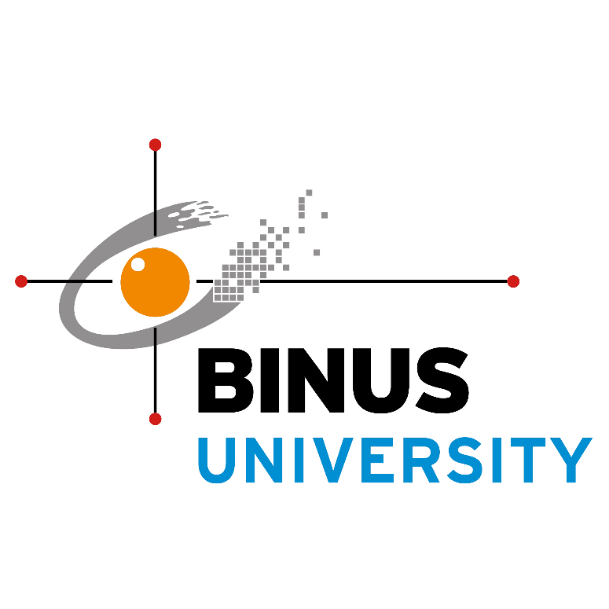
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**BINUS UNIVERSITY**

**Jakarta**

**Genap 2019/2020**

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# **Activity Diagram, Use Case Fully Description, System Sequence Diagram**

## Activity Diagram

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## Use Case Fully Description

### Mengisi Form Registrasi

|  |  |  |
| --- | --- | --- |
| Use Case Name | Mengisi form registrasi | |
| Scenario | Member mengisi form registrasi | |
| Triggering Event | Customer ingin menggunakan aplikasi GoCamp | |
| Brief Description | Pengguna akan membuka form aplikasi dan mengisi form registrasi | |
| Actors | yang berupa nama, tanggal lahir, Jenis kelamin,alamat,email, dan password | |
| Related Use Case | Customer | |
| Stakeholders | - | |
| Pre-conditions | Customer | |
| Post-conditions | Memiliki koneksi internet, memiliki device android / ios, memiliki alamat email | |
| Flow of Activities | Actor | System |
| 1. Mengisi form registrasi | 1.1. Create customer record |
| Exception Conditions | 1.1. Terdapat data yang terlewat pada saat pengisian form registrasi | |

### Mengisi Form Booking

|  |  |  |
| --- | --- | --- |
| Use Case Name | Mengisi Form Booking | |
| Scenario | Member mengisi form Booking untuk memilih tempat kemah. | |
| Triggering Event | Member ingin melakukan pencarian tempat kemah yang diinginkan atau perlengkapan kemah yang dibutuhkan. | |
| Brief Description | Member mengisi form Booking dan member dapat login menggunakan e-mail dan password yang sudah didafarkan untuk mencari tempat kemah atau perlengkapan kemah yayng dibutuhkan. | |
| Actors | Member | |
| Related Use Case | - | |
| Stakeholders | Admin | |
| Pre-conditions | Customer telah melakukan registrasi menjadi member | |
| Post-conditions | Member dapat melakukan pencarian tempat kemah yang diinginkan atau perlengkapan kemah yang dibutuhkan. | |
| Flow of Activities | Actor | System |
| 1. Customer mengisi form booking untuk memilih tempat kemah. | 1.1. System akan menyimpan data booking member. |
| Exception Conditions | 1.1. Data tidak dapat disimpan jika member tidak mengisi data pendaftaran dengan lengkap dan benar. | |

### Mengisi Form Konfirmasi Pembayaran Booking

|  |  |  |
| --- | --- | --- |
| Use Case Name | Membuat form konfirmasi pembayaran booking | |
| Scenario | Mengisi form konfirmasi pembayaran booking | |
| Triggering Event | Member yang sudah melakukan pembayaran booking harus melakukan konfirmasi pembayaran booking. | |
| Brief Description | Member yang ingin melakukan konfirmasi pembayaran booking harus mengisi data tanggal transfer, jumlah transfer, dan nama member. | |
| Actors | Member | |
| Related Use Case | - | |
| Stakeholders | Admin | |
| Pre-conditions | Member harus melakukan pembayaran terlebih dahulu sesuai dengan booking yang telah dibuat | |
| Post-conditions | Member berhasil menyelesaikan transaksi pembayaran booking | |
| Flow of Activities | Actor | System |
| 1. Member melakukan konfirmasi pembayaran dengan mengisi kelengkapan data 2. Member melakukan klik konfirmasi pembayaran | 1.1. System menampilkan detail pembayaran yang sudah dibayarkan oleh member  2.1. System memproses dan menyimpan data |
| Exception Conditions | 1.1. Jika melewati batas waktu yang ditentukan maka system secara otomatis akan batal | |

### Mengisi Form Refund Booking

|  |  |  |
| --- | --- | --- |
| Use Case Name | Mengisi Form Refund Booking | |
| Scenario | Member ingin mengisi form permohonan refund. | |
| Triggering Event | Member ingin membatalkan booking yang telah dilakukan. | |
| Brief Description | Member ingin membatalkan booking dengan memilih booking yang ingin dibatalkan dan mengisi form refund. | |
| Actors | Member | |
| Related Use Case | - | |
| Stakeholders | Admin | |
| Pre-conditions | Member telah mengisi Form Booking | |
| Post-conditions | Staff akan meninjau permohonan refund | |
| Flow of Activities | Actor | System |
| 1. Member mengisi form permohonan refund. | 1.1. System akan menyimpan data form permohonan refund |
| Exception Conditions | 1.1. Data tidak dapat disimpan jika member tidak mengisi form permohonan refund dengan lengkap dan benar | |

### Membuat Surat Konfirmasi Refund

|  |  |  |
| --- | --- | --- |
| Use Case Name | Membuat surat konfirmasi refund | |
| Scenario | Mengisi form surat konfirmasi refund | |
| Triggering Event | Member ingin melakukan pengembalian tiket yang sudah dibeli | |
| Brief Description | Member yang ingin melakukan refund harus mengisi data jumlah dana yang ingin direfund, nomor rekening, nama bank, dan nama pemegang akun bank. | |
| Actors | Financial Staff | |
| Related Use Case | - | |
| Stakeholders | Admin | |
| Pre-conditions | Member sudah melakukan pembayaran sebelumnya. | |
| Post-conditions | Member berhasil menerima dana refund | |
| Flow of Activities | Actor | System |
| 1. Financial staff memilih permintaan refund user yang ingin dikonfirmasi 2. Member melakukan klik submit surat konfirmasi refund | * 1. System menampilkan detail data permintaan refund. User dapat approve atau tidak refund tersebut.   2. System memproses dan   menyimpan data refund yang telah terkonfirmasi. |
| Exception Conditions | 1.1. Jika data tidak lengkap, maka system tidak akan menampilkan data tersebut | |

### Melakukan Check Out Cart

|  |  |  |
| --- | --- | --- |
| Use Case Name | Melakukan Check Out Cart | |
| Scenario | Member ingin melakukan check out perlengkapan kemah yang ingin dibeli | |
| Triggering Event | Member ingin membeli perlengkapan kemah yang tersedia di aplikasi GoCamp | |
| Brief Description | Member melakukan check out dan sistem akan menampilkan order form yang berisi jumlah perlengkapan dan total pembayaran yang harus dibayarkan apabila sudah selesai memilih perlengkapan yang ingin dibeli. | |
| Actors | Member | |
| Related Use Case | - | |
| Stakeholders | Admin | |
| Pre-conditions | Member telah memilih perlengkapan kemah yang ingin dibeli. | |
| Post-conditions | Member akan melihat order form dan membayar total harga dari order form tersebut | |
| Flow of Activities | Actor | System |
| 1. Member mengisi data perlengkapan kemah yang ingin dibeli 2. Member melakukan check out item yang ingin dibeli | 1.1. System menampilkan data perlengkapan kemah yang bisa dibeli dengan harga  2.1. System akan menyimpan data yang telah di check-out |
| Exception Conditions | 1.1. Data tidak dapat disimpan jika member belum memilih perlengkapan kemah yang ingin dibeli | |

### Mengisi Form Konfirmasi Pembayaran Order

|  |  |  |
| --- | --- | --- |
| Use Case Name | Mengisi Form Konfirmasi Pembayaran Order | |
| Scenario | Member ingin melakukan konfirmasi pembayaran pembelian perlengkapan kemah | |
| Triggering Event | Member telah melakukan check out cart dan membayar melalui transfer bank sebelum pesanan hangus dan transaksi dibatalkan | |
| Brief Description | Setelah member membayar sejumlah uang, member akan mengisi konfirmasi pembayaran dengan melampirkan bukti transfer. | |
| Actors | Member | |
| Related Use Case | - | |
| Stakeholders | Admin | |
| Pre-conditions | Member telah melakukan check out cart dan membayar sejumlah uang melalui metode pembayaran transfer bank. | |
| Post-conditions | Member telah membayar dan akan menerima perlengkapan kemah yang telah dibeli | |
| Flow of Activities | Actor | System |
| 1. Member melakukan konfirmasi pembayaran | 1.1. System akan menyimpan data konfirmasi pembayaran |
| Exception Conditions | 1.1. Pembayaran tidak dapat terkonfirmasi jika member tidak mengiai form konfirmasi pembayaran. | |

### Membuat Laporan Akhir Keuangan

|  |  |  |
| --- | --- | --- |
| Use Case Name | Membuat laporan keuangan | |
| Scenario | Staff keuangan membuat laporan keuangan setiap bulan berdasarkan transaksi booking dan peralatan | |
| Triggering Event | Sudah akhir bulan dan staff ingin mencatat trasaksi bulanan. | |
| Brief Description | Staff mengisi form laporan keuangan | |
| Actors | Financial Staff | |
| Related Use Case | - | |
| Stakeholders | Manajer GoCamp | |
| Pre-conditions | Staff memiliki riwayat transaski Customer pada bulan yang ingin di laporakan | |
| Post-conditions | Laporan keuangan diberikan kepada Manajer | |
| Flow of Activities | Actor | System |
| 1. Membuka riwayat transaksi seluruh Customer Melalui Staff panel | 1.1. Display Riwayat transaksi seluruh customer |
| Exception Conditions | 1.1. Tidak ada transaksi yang terjadi pada bulan tersebut | |

## System Sequence Diagram

### Mengisi Form Registrasi

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### Mengisi Form Booking

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### Mengisi Form Konfirmasi Pembayaran Booking

A screenshot of a social media post

Description automatically generated

### Mengisi Form Refund Booking

A screenshot of a social media post

Description automatically generated

### Membuat Surat Konfirmasi Refund

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### Melakukan Check Out Cart

A screenshot of a social media post

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### Mengisi Form Konfirmasi Pembayaran Order

A screenshot of a social media post

Description automatically generated

### Membuat Laporan Akhir Keuangan

A screenshot of a cell phone

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# **System Architecture**

System Architecture yang dipilih untuk menjalankan aplikasi ini adalah 3 tier client server karena aplikasi ini di akses melalui mobile device. Selain itu, kami menggunakan mobile device untuk terhubung dengan standard aplication server dan data-data yang dikirimkan dari standard application server akan disimpan pada database server tanpa melalui webserver.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Standart Client | Standard Application Server | Standart Database Server |
| Operation System | Android | Linux | Linux |
| Special Software |  | Java | SAP |
| Hardware | 120-GB Disk Drive | 1 -TB disk drive | 1 -TB disk drive |
|  | Intel Xeon E3 | Intel Xeon E3 |
| Network | Always on board band | Dual 100 mbps Ethernet | Dual 100 mbps Ethernet |

# **Design System Input and Output**

## Mengisi Form Registrasi

### System Input

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### System Output

A screenshot of a cell phone

Description automatically generated

## Mengisi Form Booking

### System Input

A screenshot of a cell phone

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

## Mengisi Form Konfirmasi Pembayaran Booking

### System Input

A picture containing yellow

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

## Mengisi Form Refund Booking

### System Input

A screenshot of a cell phone

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

## Membuat Surat Konfirmasi Refund

### System Input

A close up of a machine

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

## Melakukan Check Out Cart

### System Input

A screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

## Mengisi Form Konfirmasi Pembayaran Order

### System Input

A picture containing yellow, bus

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

## Membuat Laporan Akhir Keuangan

### System Input

A screenshot of a cell phone

Description automatically generated

### System Output

A screenshot of a cell phone

Description automatically generated

# **Design Database**

## Member

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| idMember | nama | DOB | gender | address | email | Password |
| MB0101  2020001 | Andri Irwandi | 09/11/2000 | M | Jl. Lippo Karawaci Kota Tangerang | Andri-irwandi  @gmail.com | \*\*\*\*\*  \*\*\*\*\* |
| MB0101  2020002 | Yacob Mahaputra | 08/05/2000 | M | Jl. Giri Loka BSD Tangerang Selatan | Yacobmahaputra  @gmail.com | \*\*\*\*\*  \*\*\*\*\* |
| MB0201  2020001 | Nicholas Kwan | 05/04/2000 | M | Jl. Taman Palem Lestari Jakarta Barat | nicholas123  @gmail.com | \*\*\*\*\*  \*\*\*\*\* |

## Booking

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID Booking | Jumlah orang | Tanggal masuk | Tanggal keluar | Pesan tambahan |
| BO11032020001 | 2 | 15/05/2020 | 16/05/2020 | Kamar di lantai 5 (jangan di lantai atas) |
| BO14032020002 | 3 | 18/05/2020 | 21/05/2020 | Extra bed 1 |
| BO28032020003 | 4 | 22/05/2020 | 24/05/2020 | Ranjang double bed |

## bookingPayment

|  |  |  |  |
| --- | --- | --- | --- |
| ID BK Payment BP | Nominal BP | Tanggal transfer BP | Nama akun BP |
| BP11032020001 | Rp 100.000 | 14/05/2020 | Andri Irwandi |
| BP14032020002 | Rp 150.000 | 16/05/2020 | Nicholas Kwan |
| BP28032020003 | Rp 175.000 | 21/05/2020 | Yacob Mahaputra |

## Refund

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| idRefund | alasan | jumlahRefund | nomorRekening | namaBank | nama  AkunRF |
| RF0101062020 | Ada acara mendadak | 120000 | 812371813 | BCA | Budi Setiawan |
| RF0201062020 | Penginapan tutup permanen | 110000 | 878123819 | BCA | Hilman Setiabudi |
| RF0101052020 | Kamar tidak sesuai | 90000 | 878139781 | BCA | Rachel simalaya |

## venueCamping

|  |  |  |  |
| --- | --- | --- | --- |
| idVenueCamping | namaVenue | hargaVenue | desc |
| VC01 | Tempat Kemah Ragunan | 500000 | Kemah sambil menikmati keindahan alam dan hewan |
| VC02 | Bumi Perkemahan Cileduk | 450000 | Perkemahan sambil menikmati indahnya alam di cileduk |
| VC03 | Bumi Perkemahan Puncak | 750000 | Berkemah sambil menikmati sejuknya udara di puncak serta indahnya perkebunan |

## Order

|  |  |  |  |
| --- | --- | --- | --- |
| idOrder | caraPengiriman | dateOrder | note |
| ORD05032020001 | Regular | 2020/03/05 | Di packing seperti kado  Kirim ke Jl. Taman Palem Lestari |
| ORD05032020002 | Fast Track | 2020/03/05 | Kirim ke Jl. Scientia Raya Gading Serpong |
| ORD10052020001 | Same Day | 2020/05/10 | Jangan di lempar pada saat sampai  Kirim ke Jl. Giri Loka BSD |

## detailOrder

|  |  |  |
| --- | --- | --- |
| idOrder | idPerlengkapan | qty |
| ORD05032020001 | PK20200502001 | 2 |
| ORD05032020002 | PK20200503004 | 3 |
| ORD05032020002 | PK20200504004 | 3 |
| ORD10052020001 | PK20200501001 | 1 |
| ORD10052020001 | PK20200503003 | 4 |

## orderPayment

|  |  |  |  |
| --- | --- | --- | --- |
| idOdPayment | nominalOP | tglTransferOP | namaAkunOP |
| OP05032020001 | 3600000 | 05/03/2020 | Andri Irwandi |
| OP05032020002 | 3400000 | 05/04/2020 | Yacob Mahaputra |
| OP10052020001 | 2400000 | 10/05/2020 | Nicholas Kwan |

## perlengkapanKemah

|  |  |  |  |
| --- | --- | --- | --- |
| idPerlengkapan | namaPerlengkapan | price | stock |
| PK20200501001 | Hewolf | 1500000 | 50 |
| PK20200502001 | Consina | 1700000 | 75 |
| PK20200503001 | Eiger | 1650000 | 64 |
| PK20200503002 | Summit | 450000 | 120 |
| PK20200503003 | Karrimor | 500000 | 100 |
| PK20200503004 | Dhaulagiri | 350000 | 150 |
| PK20200504001 | Bluefield | 150000 | 122 |
| PK20200504002 | NatureHike | 250000 | 98 |
| PK20200504003 | JetBeam | 175000 | 104 |
| PK20200504004 | Olight | 225000 | 118 |

# **First Cut Class Diagram, CRC Cards**

## First Cut Class Diagram

A screenshot of a sign

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## CRC Cards

### Member

|  |  |  |
| --- | --- | --- |
| **Member** | | idMember  nama  DOB  Gender  Address  Email  password |
| createMember()  createBooking  createOrder() | Booking  Order |
| Front of card | | Back of card |

### Booking

|  |  |  |
| --- | --- | --- |
| **Booking** | | idBooking  jumlahOrang  tglMasuk  tglKeluar  pesanTambahan |
| CreateForm()  ProcessBooking()  ProvideDataMember()  SaveForm() | Member  Refund  bookingPayment  venueCamping |
| Front | | Back |

### bookingPayment

|  |  |  |
| --- | --- | --- |
| **bookingPayment** | | idBkPaymentBP  nominalBP  tglTransferBP  namaAkubBP |
| Process payment  Payment Confirmation | Bookig |
| Front | | Back |

### refund

|  |  |  |
| --- | --- | --- |
| **Refund** | | IdRefund  Alasan  Jumlah refund  NomorRekening  NamaBank  NamaAkunRF |
| Create refund  Get Nama account  get Nomor rekening | Booking |
| Front of card | | Back of card |

### venueCamping

|  |  |  |
| --- | --- | --- |
| **venueCamping** | | IdVenue Camping  NamaVenue  HargaVenue  desc |
| Create Venue Camping  Set Nama venue  Set Harga Venue  Set Description Venue | Booking |
| Front of card | | Back of card |

### Order

|  |  |  |
| --- | --- | --- |
| **Order** | | idOrder  caraPengiriman  dateOrder  note |
| getOrderDetails()  getDataMember()  createOrderForm()  saveOrderForm() | Member  orderPayment  detailOrder |
| Front of card | | Back of card |

### detailOrder

|  |  |  |
| --- | --- | --- |
| **detailOrder** | | idOrder  idPerlengkapan  qty |
| getPerlengkapanKemah()  getOrderForm()  createOrderDetails()  saveOrderDetails() | Order  perlengkapanKemah |
| Front of card | | Back of card |

### orderPayment

|  |  |  |
| --- | --- | --- |
| **orderPayment** | | idOdPayment  nominalOP  tglTransferOP  namaAkunOP |
| processOrderPayment()  saveOrderPayment()  getOrderData() | Order |
| Front of card | | Back of card |

### perlengkapanKemah

|  |  |  |
| --- | --- | --- |
| **perlengkapanKemah** | | idPerlengkapan  namaPerlengkapan  price  stock |
| processPerlengkapanKemah()  viewPerlengkapanKemah() | detailOrder |
| Front of card | | Back of card |

# **Sequence Diagram I: First Cut Sequence Diagram**

## Mengisi Form Registrasi

A screenshot of a social media post

Description automatically generated

## Mengisi Form Booking

A screenshot of a cell phone

Description automatically generated

## Mengisi Form Konfirmasi Pembayaran Booking

A screenshot of a social media post

Description automatically generated

## Mengisi Form Refund Booking

A screenshot of a social media post

Description automatically generated

## Membuat Surat Konfirmasi Refund

A screenshot of a social media post

Description automatically generated

## Melakukan Check Out Cart

A close up of a map

Description automatically generated

## Mengisi Form Konfirmasi Pembayaran Order

A screenshot of a social media post

Description automatically generated

## Membuat Laporan Akhir Keuangan

A screenshot of a cell phone

Description automatically generated

# **Sequence Diagram II: Three Layer Sequence Diagram**

## Mengisi Form Registrasi

A screenshot of a social media post

Description automatically generated

## Mengisi Form Booking

A screenshot of a social media post

Description automatically generated

## Mengisi Form Konfirmasi Pembayaran Booking

A screenshot of a social media post

Description automatically generated

## Mengisi Form Refund Booking

A screenshot of a social media post

Description automatically generated

## Membuat Surat Konfirmasi Refund

A screenshot of a social media post

Description automatically generated

## Melakukan Check Out Cart

A screenshot of a social media post

Description automatically generated

## Mengisi Form Konfirmasi Pembayaran Order

A screenshot of a social media post

Description automatically generated

## Membuat Laporan Akhir Keuangan

A screenshot of a social media post

Description automatically generated

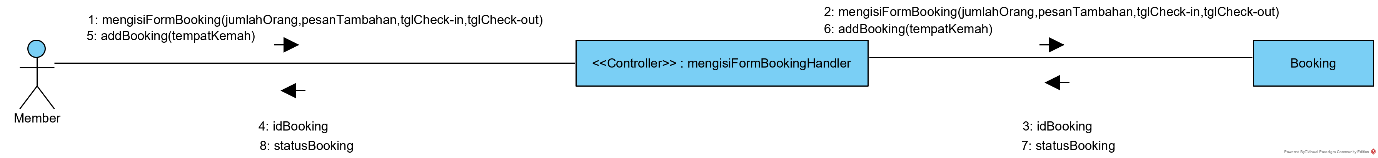
# **Communication Diagram, Updated Class Diagram, Package Diagram**

## Communication Diagram

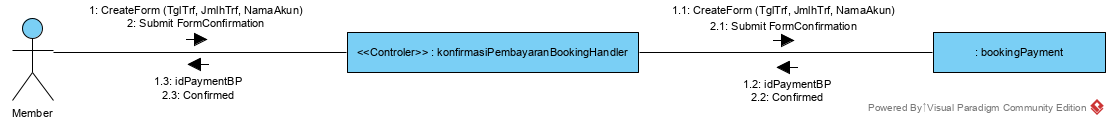
### Mengisi Form Registrasi



### Mengisi Form Booking



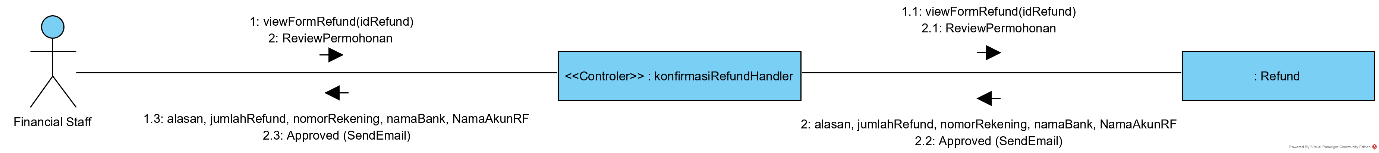
### Mengisi Form Konfirmasi Pembayaran Booking



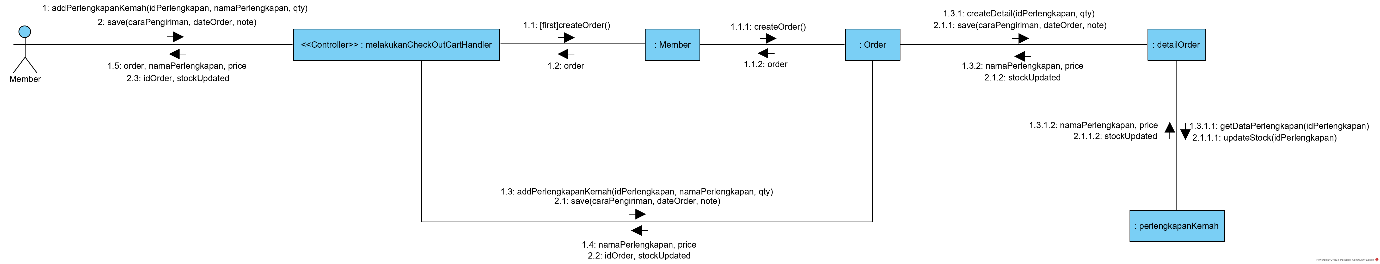
### Mengisi Form Refund Booking



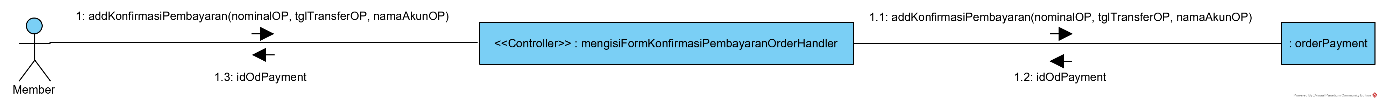
### Membuat Surat Konfirmasi Refund



### Melakukan Check Out Cart



### Mengisi Form Konfirmasi Pembayaran Order



### Membuat Laporan Akhir Keuangan

A screenshot of a cell phone

Description automatically generated

## Updated Class Diagram

A screenshot of a cell phone

Description automatically generated

## Package Diagram

A screenshot of a cell phone

Description automatically generated