|  |  |
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|  | **JDC Bootcamp 2017**  **PT. ASTRA GRAPHIA INFORMATION TECHNOLOGY** |

***Technical Spesification Document (TSD)***

***Booking Management***

**Dipersiapkan Oleh:**

**Technology Team**

Lazuardi Arsy

Atika Prima Nugraheni

Heri Agus S

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| --- | --- | --- |
| *Project Leader* | *:* | *Lazuardi Arsy* |
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**Technical Design Approval Page**

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We, the undersigned, hereby agree that [Project Name] has passed the Functional Design stage of [Module Name] module.

Note: Enterprise Architect structure and documentation for Technical Design will be re-arranged by Astra Graphia Informatian Technology (AGIT), according to AGIT standard on maintenance phase

**Document Author**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Name** | **Position/Role** | **Sign Date** | **Signature** |
| 1 | AGIT - JDC Bootcamp 2017 |  |  |  |
| 2 |  |  |  |  |

**Approved By**

|  |  |  |  |  |
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| **No** | **Name** | **Position/Role** | **Approval Date** | **Signature** |
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**model** **>**

***Revision History***

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Summary** |
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***Glossary***

| **Term** | **Description** |
| --- | --- |
| AGIT | Astra Graphia Information Technology |
| AI | Astra International |
| EA | Enterprise Architect |
| UML | Unified Modelling Language |
| TSD | Technical Spesification Document |
| FSD | Functional Spesification Document |
| Use Case Diagram | Diagram usecase yang digunakan untuk menggambarkan secara ringkas siapa yang menggunakan sistem dan apa saja yang bisa dilakukannya. |
| Business Process | Suatu kumpulan aktivitas atau pekerjaan terstruktur yang saling terkait untuk menyelesaikan suatu masalah tertentu atau yang menghasilkan produk atau layanan (demi meraih tujuan tertentu). |
| Class Diagram | Model statis yang menggambarkan struktur dan deskripsi class serta hubungannya antara class. |
| Data Model | Sekumpulan konsep-konsep untuk menerangkan data, hubungan-hubungan antara data dan batasan-batasan data yang terintegrasi di dalam suatu organisasi. |
| ERD | Entity Relationship Diagram |
| Sequence Diagram | Suatu diagram yang memperlihatkan atau menampilkan interaksi-interaksi antar objek di dalam sistem yang disusun pada sebuah urutan atau rangkaian waktu. |
| Data Flow Diagram | Suatu diagram yang menggunakan notasi-notasi untuk menggambarkan arus dari data sistem, yang penggunaannya sangat membantu untuk memahami sistem secara logika, tersruktur dan jelas. DFD merupakan alat bantu dalam menggambarkan atau menjelaskan sistem yang sedang berjalan logis. |

**Pendahuluan**

1. **Deskripsi**

Program JDC Bootcamp 2017 yang dilaksanakan oleh PT. Astra Graphia Information Technology merupakan suatu program yang dilakukan untuk memberikan bekal, baik mental, skill, maupun pengetahuan bagi para calon kandidat sebelum dilakukan proses offering oleh tim HRD. Program ini berlangsung selama 15 hari kerja yang dimulai dari tanggal 17 Juli – 4 Agustus 2017.

1. **Tujuan**

Tujuan dilaksanakannya JDC Bootcamp 2017 ini adalah sebagai berikut:

1. Mengembangkan kompetensi peserta sebagai *Java Developer*
2. Peserta dapat mengaplikasikan kompetensi pemrograman *Java* dalam ruang lingkup dunia kerjanya sebagai *Java Developer*
3. Mengembangkan *Java Developer* dalam memberikan nilai tambah dalam lingkungan kerjanya sehingga dapat menghasilkan proses yang unggul (*process excellence*).
4. **Ruang Lingkup**

Ruang lingkup dari acara ini meliputi Pre JDC Program, JDC Program, dan juga Evaluasi Bootcamp. Sedangkan ruang lingkup yang diajarkan dalam program tersebut adalah terkait Java dan Teknologi yang berkaitan dengan Java.

**Business Prosess - Business Process**

Figure 1 - Bussiness Prosess

**Class Diagram - Class Diagram**

Figure 2 - Class Diagram

**Data Flow Diagram (DFD) – Data Flow Diagram**

Figure 3 - DFD Level 1 Pendataan Data Kamar

Figure 4 - DFD Level 1 Pendataan Data Layanan

Figure 5 - DFD Level 1 Pendataan Data Privilege

Figure 6 - DFD Level 1 Pendataan Data Role

Figure 7 - DFD Level 1 Pendataan Data User

Figure 8 - DFD level 0

**Data Model (ERD) - Data Model**

Figure: 9 -ERD

**Kamar**

**Table**

**Columns**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PK** | **Name** | **Type** | **Not Null** | **Unique** | **Len** | **Prec** | **Scale** | **Notes** |
| True | kamarID | integer | True | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | kamarType | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | kamarName | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | deskripsi | char | False | False | 1 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | createdBy | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | createdDate | date | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | modifiedBy | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | modifiedDate | date | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | privilegeID | integer | False | False |  |  |  |  |

**Constraints**

| **Name** | **Type** | **Columns** | **Initial Code** | **Notes** |
| --- | --- | --- | --- | --- |
| PK\_Kamar | «PK» | kamarID |  |  |

**Relationship**

| **Columns** | **Association** | **Notes** |
| --- | --- | --- |
| (kamarID = kamarID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_Layanan\_Kamar  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Kamar |  |

|  |  |  |
| --- | --- | --- |
| (kamarID = kamarID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_Privilege\_Kamar  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Kamar |  |

**Layanan**

**Table**

**Columns**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PK** | **Name** | **Type** | **Not Null** | **Unique** | **Len** | **Prec** | **Scale** | **Notes** |
| True | layananID | integer | True | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | costumerName | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | description | char | False | False | 1 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | statusLayanan | boolean | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | totalDays | integer | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | totalPrice | integer | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | createdBy | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | createdDate | date | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | modifiedBy | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | modifiedDate | date | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | kamarID | integer | True | False |  |  |  |  |

**Constraints**

| **Name** | **Type** | **Columns** | **Initial Code** | **Notes** |
| --- | --- | --- | --- | --- |
| FK\_Layanan\_Kamar | «FK» | kamarID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IXFK\_Layanan\_Kamar | «index» | kamarID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PK\_Layanan | «PK» | layananID |  |  |

**Relationship**

| **Columns** | **Association** | **Notes** |
| --- | --- | --- |
| (kamarID = kamarID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_Layanan\_Kamar  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Kamar |  |

**Privilege**

**Table**

**Columns**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PK** | **Name** | **Type** | **Not Null** | **Unique** | **Len** | **Prec** | **Scale** | **Notes** |
| True | privilegeID | integer | True | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | privilageName | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | userID | integer | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | kamarID | integer | False | False |  |  |  |  |

**Constraints**

| **Name** | **Type** | **Columns** | **Initial Code** | **Notes** |
| --- | --- | --- | --- | --- |
| FK\_Privilege\_Kamar | «FK» | kamarID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IXFK\_Privilege\_Kamar | «index» | kamarID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PK\_Priviledge | «PK» | privilegeID |  |  |

**Relationship**

| **Columns** | **Association** | **Notes** |
| --- | --- | --- |
| (kamarID = kamarID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_Privilege\_Kamar  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Kamar |  |

|  |  |  |
| --- | --- | --- |
| (privilegeID = privilegeID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_User\_Priviledge  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Priviledge |  |

**Role**

**Table**

**Columns**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PK** | **Name** | **Type** | **Not Null** | **Unique** | **Len** | **Prec** | **Scale** | **Notes** |
| True | roleID | integer | True | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | roleName | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | userID | integer | False | False |  |  |  |  |

**Constraints**

| **Name** | **Type** | **Columns** | **Initial Code** | **Notes** |
| --- | --- | --- | --- | --- |
| PK\_Role | «PK» | roleID |  |  |

**Relationship**

| **Columns** | **Association** | **Notes** |
| --- | --- | --- |
| (roleID = roleID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_User\_Role  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Role |  |

**User**

**Table**

**Columns**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PK** | **Name** | **Type** | **Not Null** | **Unique** | **Len** | **Prec** | **Scale** | **Notes** |
| True | userID | integer | True | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | userName | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | password | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | roleID | integer | True | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | privilegeID | integer | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | createdBy | varchar | False | False | 50 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | createdDate | date | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | modifiedDate | date | False | False |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| False | status | varchar | False | False | 50 |  |  |  |

**Constraints**

| **Name** | **Type** | **Columns** | **Initial Code** | **Notes** |
| --- | --- | --- | --- | --- |
| FK\_User\_Priviledge | «FK» | privilegeID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FK\_User\_Role | «FK» | roleID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IXFK\_User\_Priviledge | «index» | privilegeID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IXFK\_User\_Role | «index» | roleID |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PK\_User | «PK» | userID |  |  |

**Relationship**

| **Columns** | **Association** | **Notes** |
| --- | --- | --- |
| (roleID = roleID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_User\_Role  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Role |  |

|  |  |  |
| --- | --- | --- |
| (privilegeID = privilegeID) | **0..\*.**  **element >**  **{Element.Name}**  **< elemen****t**  FK\_User\_Priviledge  **1**  **element >**  **{Element.Name}**  **< elemen****t**  PK\_Priviledge |  |

**Procedure1**

**Procedure**

**Sequence Diagram - Sequence Diagram**

**Admin - (Interaction diagram)**

t

Figure: 10 - Admin

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - setup\_kamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - set\_status\_kamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasi\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - create\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - view\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - search\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - view\_searchdatakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - update\_datakamar&layanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - view\_updatedata**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - delete\_datakamar&layanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.0 - view\_deletedata**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.1 - retrieve\_datakamar&layanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.3 - view\_datakamar**  P*arams:*  Conditions: |  |

**Super Admin Input Kamar - (Interaction diagram)**

Figure: 11 - Super Admin Input Kamar

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - inputKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - saveDataKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasiDataKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - create**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - updateKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - editDataKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - validasiUpdateKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.3 - update**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - retrieveKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - readDataKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - validasiRetrieveKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.3 - retrieve**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - deleteKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - deleteDataKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - validasiDeleteKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.3 - delete**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.7 - true/false**  P*arams:*  Conditions: |  |

**Super Admin Input Layanan - (Interaction diagram)**

Figure: 12 - Super Admin Input Layanan

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - inputLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - saveDataLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasiDataLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - create**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - updateLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - editDataLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - validasiUpdateLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.3 - update**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - retrieveLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - readDataLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - validasiRetrieveLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.3 - retrieve**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - deleteLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - deleteDataLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - validasiDeleteLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.3 - delete**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.7 - true/false**  P*arams:*  Conditions: |  |

**Super Admin Input Privilege - (Interaction diagram)**

Figure: 13 - Super Admin Input Privilege

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - inputPrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - saveDataPrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasiDataPrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - create**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - updatePrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - editDataPrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - validasiUpdatePrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.3 - update**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - retrievePrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - readDataRetrieve**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - validasiRetrievePrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.3 - retrieve**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - deletePrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - deleteDataPrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - validasiDeletePrivilege**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.3 - delete**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.7 - true/false**  P*arams:*  Conditions: |  |

**Super Admin Input Role - (Interaction diagram)**

Figure: 14 - Super Admin Input Role

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - inputRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - saveDataRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasiDataRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - create**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - updateRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - editDataRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - validasiDataUpdate**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.3 - update**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - retrieveRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - readDataRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - validasiRetrieveRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.3 - retrieve**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - deleteRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - deleteDataRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - valiasiDeleteRole**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.3 - delete**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.7 - true/false**  P*arams:*  Conditions: |  |

**Super Admin Input User - (Interaction diagram)**

Figure: 15 - Super Admin Input User

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - inputUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - saveDataUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasiDataUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - create**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - updateUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - editDataUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - validasiUpdateUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.3 - update**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - retrieveUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - readDataUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - validasiRetrieveUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.3 - retrieve**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - deleteUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - deleteDataUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - validasiDeleteUser**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.3 - delete**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.7 - true/false**  P*arams:*  Conditions: |  |

**Super Admin Search - (Interaction diagram)**

Figure: 16 - Super Admin Search

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - searchKamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - searchData**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasiDataSearch**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - search**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.4 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.5 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.6 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.7 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.8 - searchLayanan**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.9 - searchData**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.10 - validasiDataSearch**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.11 - search**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.12 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.13 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.14 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.15 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.16 - searchCustomerName**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.17 - searchData**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.18 - validasiDataSearch**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.19 - search**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.20 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.21 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.22 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.23 - true/false**  P*arams:*  Conditions: |  |

**employee - (Interaction diagram)**

t

Figure: 17 - employee

**Messages**

|  |  |
| --- | --- |
| **Message/Signature** | **Description** |
| **1.0 - input\_form booking**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.1 - Data\_bookingkamar\_ditambah**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.2 - validasi\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **1.3 - output\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.0 - view\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.1 - search\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **2.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.0 - view\_searchdatakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.1 - update\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **3.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.0 - view\_updatedatakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.1 - delete\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **4.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.0 - view\_deletedatakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.1 - retrieve\_datakamar**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.2 - true/false**  P*arams:*  Conditions: |  |

|  |  |
| --- | --- |
| **5.3 - view\_datakamar**  P*arams:*  Conditions: |  |

**Use Case Diagram - Use Case Diagram**

**Diagram: Use Case Diagram**

Figure: 18 - Use Case Diagram

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Admin | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Employee | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Super Admin | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Association* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Cek Harga Kamar | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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| **Use Case:** | Create | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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| **Use Case:** | Delete | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Use Case:** | Delete | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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| **Use Case:** | Delete | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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| **Use Case:** | Delete | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Delete | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Delete | | Use Case Id: |
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| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Delete | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Manage Data Kamar | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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| **Use Case:** | Manage Data Priviledge | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
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|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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|  | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** | *Extend* | **element >**  <Element.ParentPackage>.{Element.Name}  **< elemen****t** |

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| **Use Case:** | Manage Data Role | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Manage Data User | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | ManageData Layanan | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Retreive | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Retrieve | | Use Case Id: |
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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Use Case:** | Retrieve | | Use Case Id: |
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| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
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| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Use Case:** | Search Data Kamar | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Use Case:** | Search Data Layanan | | Use Case Id: |
| **Status:** | Proposed | Version: 1.0 | Phase: 1.0 |
| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
| **Notes:** |  | | |

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| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Author:** | Atika Primo | Created: 18/07/2017 | Modified: 18/07/2017 |
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| **Related To:** | **Source** | **Connector** | **Target** |
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|  | **JDC Bootcamp 2017**  **PT. ASTRA GRAPHIA INFORMATION TECHNOLOGY** |

***Technical Spesification Document (TSD)***

***Booking Management***

**Dipersiapkan Oleh:**

**Technology Team**

Lazuardi Arsy

Atika Prima Nugraheni

Heri Agus S

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| *Project Leader* | *:* | *Lazuardi Arsy* |
| *Document Number* | *:* |  |
| *Document Version* | *:* |  |
| *Created By* | *:* |  |
| *Created Date* | *:* | 20-Jul-2017 |

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**Technical Design Approval Page**

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We, the undersigned, hereby agree that [Project Name] has passed the Functional Design stage of [Module Name] module.

Note: Enterprise Architect structure and documentation for Technical Design will be re-arranged by Astra Graphia Informatian Technology (AGIT), according to AGIT standard on maintenance phase

**Document Author**

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| --- | --- | --- | --- | --- |
| **No** | **Name** | **Position/Role** | **Sign Date** | **Signature** |
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**Approved By**

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| **No** | **Name** | **Position/Role** | **Approval Date** | **Signature** |
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***Revision History***

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Summary** |
| 1.0 | 20-Jul-2017 |  |  |
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***References***

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***Glossary***

| **Term** | **Description** |
| --- | --- |
| AGIT | Astra Graphia Information Technology |
| AI | Astra International |
| EA | Enterprise Architect |
| UML | Unified Modelling Language |
| TSD | Technical Spesification Document |
| FSD | Functional Spesification Document |
| Use Case Diagram | Diagram usecase yang digunakan untuk menggambarkan secara ringkas siapa yang menggunakan sistem dan apa saja yang bisa dilakukannya. |
| Business Process | Suatu kumpulan aktivitas atau pekerjaan terstruktur yang saling terkait untuk menyelesaikan suatu masalah tertentu atau yang menghasilkan produk atau layanan (demi meraih tujuan tertentu). |
| Class Diagram | Model statis yang menggambarkan struktur dan deskripsi class serta hubungannya antara class. |
| Data Model | Sekumpulan konsep-konsep untuk menerangkan data, hubungan-hubungan antara data dan batasan-batasan data yang terintegrasi di dalam suatu organisasi. |
| ERD | Entity Relationship Diagram |
| Sequence Diagram | Suatu diagram yang memperlihatkan atau menampilkan interaksi-interaksi antar objek di dalam sistem yang disusun pada sebuah urutan atau rangkaian waktu. |
| Data Flow Diagram | Suatu diagram yang menggunakan notasi-notasi untuk menggambarkan arus dari data sistem, yang penggunaannya sangat membantu untuk memahami sistem secara logika, tersruktur dan jelas. DFD merupakan alat bantu dalam menggambarkan atau menjelaskan sistem yang sedang berjalan logis. |

**Pendahuluan**

1. **Deskripsi**

Program JDC Bootcamp 2017 yang dilaksanakan oleh PT. Astra Graphia Information Technology merupakan suatu program yang dilakukan untuk memberikan bekal, baik mental, skill, maupun pengetahuan bagi para calon kandidat sebelum dilakukan proses offering oleh tim HRD. Program ini berlangsung selama 15 hari kerja yang dimulai dari tanggal 17 Juli – 4 Agustus 2017.

1. **Tujuan**

Tujuan dilaksanakannya JDC Bootcamp 2017 ini adalah sebagai berikut:

1. Mengembangkan kompetensi peserta sebagai *Java Developer*
2. Peserta dapat mengaplikasikan kompetensi pemrograman *Java* dalam ruang lingkup dunia kerjanya sebagai *Java Developer*
3. Mengembangkan *Java Developer* dalam memberikan nilai tambah dalam lingkungan kerjanya sehingga dapat menghasilkan proses yang unggul (*process excellence*).
4. **Ruang Lingkup**

Ruang lingkup dari acara ini meliputi Pre JDC Program, JDC Program, dan juga Evaluasi Bootcamp. Sedangkan ruang lingkup yang diajarkan dalam program tersebut adalah terkait Java dan Teknologi yang berkaitan dengan Java.