Coverpage

Assumptions

**Produce a complete CONCEPTUAL ERD for ArchipelagoCrazy. This CONCEPTUAL ERD needs to include all the entities, relationships, multiplicities, attributes and primary keys that you have identified. It should be easy to read and needs to fit on one page of the report.**

**Create a data dictionary to document how you identified the entities for ArchipelagoCrazy. To achieve this, fill in the 2 tables below to summarise and briefly explain the meaning of each entity.**

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| *Entity name* | *Brief Description* |
| w1810872\_Island | General term describing all islands with attractive sites including mainland, that belong to ArchipelagoCrazy. |
| w1810872\_Boat | General term describing all types of boats that belong to ArchipelagoCrazy. |
| w1810872\_LargeMotorizedBoat | Specialised term that describes the larger boats that can handle higher number of customers who have booked service from ArchipelagoCrazy. |
| w1810872\_PaddlePropelledBoats | Specialised term that describes simple paddle boats that is used by ArchipelagoCrazy customers to explore an island locally. |
| w1810872\_SmallerMotorizedBoat | Specialised term that describes smaller boats which can carry 6 – 8 customers who has booked for local beach taxi service from ArchipelagoCrazy. |
| w1810872\_Customer | General term that describes all customers of ArchipelagoCrazy. |
| w1810872\_Booking | General term that describes bookings placed for services offered by ArchipelagoCrazy. |
| w1810872\_Adventure | General term that describes all adventures organised by ArchipelagoCrazy. |
| w1810872\_SeaAdventure | Specialised term that describes adventures in the sea. |
| w1810872\_SeaCrossing | Specialised term that describes a type of sea adventure, which is for crossing between two or more islands. |
| w1810872\_BeachTaxiService | Specialised term that describes a type of sea adventure which is about moving between beaches. |
| w1810872\_MarineExploration | Specialised term that describes a type of sea adventure which is to explore an island locally. |
| w1810872\_LandAdventure | Specialised term that describes adventures in the land |
| w1810872\_VisitLandmark | Specialised term that describes a type of land adventure to visiting landmarks in an island. |
| w1810872\_walkTour | Specialised term that describes a land adventure of walking in an island with a tour guid. |
| w1810872\_Employee | General term describing all staff members employed by ArchipelagoCrazy. |
| w1810872\_Guid | Specialised term describing the guides of ArchipelagoCrazy that belongs to general term staff. |
| w1810872\_SeaCrewMember | Specialised term describing all members of the sea crew that belongs to general term staff. |
| w1810872\_BoatMechanic | Specialised term describing the boat mechanics that belongs to the general term staff. |
| w1810872\_BoatService | General term describing all types of services done to boats. |
| w1810872\_Meal | General term describing all meals organized by ArchipelagoCrazy. |

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| General entity | Specialised entity | Brief Explanation |
| w1810872\_Boat | w1810872\_LargeMotorizedBoat | A specialised term that describes large boats which can handle higher number of customers. |
| w1810872\_PaddlePropelledBoats | A specialised term that describes a boat which can be used for marine exploration. |
| w1810872\_SmallerMotorizedBoat | A specialised term that describes small boat which can be used for local beach taxi service. |
| w1810872\_Adventure | w1810872\_SeaAdventure | A specialised term that describes adventures related to sea. |
| w1810872\_LandAdventure | A specialised term that describes adventures related to land. |
| w1810872\_SeaAdventure | w1810872\_SeaCrossing | A specialised term describing the sea adventure of crossing between one or more islands. |
| w1810872\_BeachTaxiService | A specialised term describing the sea adventure of moving between beaches. |
| w1810872\_MarineExploration | The specialised term that describes the sea adventure of exploring islands, accessing remote bays and creeks. |
| w1810872\_LandAdventure | w1810872\_VisitLandmark | A specialised term that describes the land adventure of visiting landmark. |
| w1810872\_walkTour | A specialised term that describes the land adventure of a walking tour with a guid. |
| w1810872\_Emplyee | w1810872\_Guid | A specialised term that describes the tour guid who guides customers as an employee |
| w1810872\_SeaCrewMember | A specialised term for members of the sea crew who organises and manages boat service as an employee. |
| w1810872\_BoatMechanic | A specialised term that describes boat mechanics who services boats as an employee. |

**Create a data dictionary to document how you identified the relationships and multiplicities for ArchipelagoCrazy. To achieve this, fill in the table below to summarise and justify the multiplicities for each relationship.**

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| Entity name | Multiplicity | Relationship | Multiplicity | Entity name | Brief justifications for the multiplicity (4 statements for each relationship) |
| w1810872\_Customer | 1..1 | Places | 0..\* | w1810872\_Booking | One customer may place |
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1. **Create a data dictionary to document how you identified the attributes and primary keys for each entity for ArchipelagoCrazy. To achieve this, fill in the table below to summarise and explain the meaning of each attribute and primary key.**

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| Entity name | Attributes for this entity (include PK) | Justification |
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