API_Design_Hotel_Usecase

Story Specification	Used by	Service name	Request API	Response API	Comments

Create offer for loyalty program	BusinessUser	createLoyaltyOffers	{
			"loyalty_offer_crud_rq": {
			 "header": {
			  "user_name": "businessUser",
			  "product": "LRS",
			  "request_type": "CREATE_LOYALTY_OFFER"
			 },
			 "offer_list": [
			  {
			   "offer_name": "Exclusive Access",
			   "offer_desc": "Exclusive product launch preview",
			   "status": "Active"
			  },
			  {
			   "offer_name": "Priority Support",
			   "offer_desc": "Enjoy priority access to our customer support team",
			   "status": "Active"
			  }
			]
			 }
			}
				{
				"loyalty_offer_crud_rs": {
				 "status": "success"
				}
				}	

Edit offer for loyalty program	BusinessUser	editLoyaltyOffers	{
			"loyalty_offer_crud_rq": {
			 "header": {
			  "user_name": "businessUser",
			  "product": "LRS",
			  "request_type": "EDIT_LOYALTY_OFFER"
			 },
			 "offer_list": [
			  {
			   "offer_id": "4",
			   "offer_name": "Exclusive Content",
			   "offer_desc": "Access to exclusive webinars",
			   "Status": "(A)ctive/(I)nactive"
			  },
			  {
			   "offer_id": "4",
			   "offer_name": "Membership Upgrade",
			   "offer_desc": "Enjoy a one-month upgrade of membership",
			   "Status": "(A)ctive/(I)nactive"
			  }
			]
			 }
			}
				{
				"loyalty_offer_crud_rs": {
				 "status": "success"
				}
				}	

Delete offer for loyalty program	BusinessUser	deleteLoyaltyOffers	{
			"loyalty_offer_crud_rq": {
			 "header": {
			  "user_name": "businessUser",
			  "product": "LRS",
			  "request_type": "DELETE_LOYALTY_OFFER"
			 },
			 "offer_list": [
			  {
			   "offer_id":"5"
			  },
			  {
			   "offer_id":"8"
			  }
			]
			 }
			}
				{
				"loyalty_offer_crud_rs": {
				 "status": "success"
				}
				}	

Fetch all active loyalty offers	BusinessUser	getLoyaltyOfferInfo	`{`
			`"loyalty_offer_fetch_rq": {`
			`  "header": {`
			`   "user_name": "businessUser/endUser",`
			`   "product": "LRS",`
			`   "request_type": "FETCH_LOYALTY_OFFER"`
			`  }`
			`}`
			`}`
				`{`
				`"loyalty_offer_fetch_rs": {`
				` "offer_list": [`
				`  {`
				`   "offer_id": "1",`
				`   "offer_name": "Exclusive Access",`
				`   "offer_desc": "Exclusive product launch preview",`
				`   "modified_by":"businessUser1",`
				`   "last_modified":"12/7/2024, 10:54:12 AM",`
				`   "status": "Active"`
				`  },`
				`  {`
				`   "offer_id": "2",`
				`   "offer_name": "Priority Support",`
				`   "offer_desc": "Enjoy priority access to our customer support team",`
				`   "modified_by":"businessUser2",`
				`   "last_modified":"12/8/2024, 10:54:12 AM",`
				`   "status": "Active"`
				`  }`
				` ]`
				`}`
				`}`	

Create tiers for loyalty program	BusinessUser	createLoyaltyTiers	`{`
			`"loyalty_tier_crud_rq": {`
			`  "header": {`
			`   "user_name": "businessUser",`
			`   "product": "LRS",`
			`   "request_type": "CREATE_LOYALTY_TIER"`
			`  },`
			`  "tier_list": [`
			`   {`
			`    "tier_name": "Bronze",`
			`    "tier_desc": "Bronze membership",`
			`    "status": "Active"`
			`   },`
			`   {`
			`    "tier_name": "Silver",`
			`    "tier_desc": "Silver membership",`
			`    "status": "Active"`
			`   }`
			`  ]`
			`}`
			`}`
				`{`
				`"loyalty_tier_crud_rs": {`
				` "status": "success"`
				`}`
				`}`	

Edit tiers for loyalty program	BusinessUser	editLoyaltyTiers	`{`
			`"loyalty_tier_crud_rq": {`
			`  "header": {`
			`   "user_name": "businessUser",`
			`   "product": "LRS",`
			`   "request_type": "EDIT_LOYALTY_TIER"`
			`  },`
			`  "tier_list": [`
			`   {`
			`    "tier_id": "4",`
			`    "tier_name": "Platinum",`
			`    "tier_desc": "Platinum membership",`
			`    "Status": "(A)ctive/(I)nactive"`
			`   },`
			`   {`
			`    "tier_id": "4",`
			`    "tier_name": "Gold",`
			`    "tier_desc": "Gold membership",`
			`    "Status": "(A)ctive/(I)nactive"`
			`   }`
			`  ]`
			`}`
			`}`
				`{`
				`"loyalty_tier_crud_rs": {`
				` "status": "success"`
				`}`
				`}`	

Delete tiers for loyalty program	BusinessUser	deleteLoyaltyTiers	`{`
			`"loyalty_tier_crud_rq": {`
			`  "header": {`
			`   "user_name": "businessUser",`
			`   "product": "LRS",`
			`   "request_type": "DELETE_LOYALTY_TIER"`
			`  },`
			`  "tier_list": [`
			`   {`
			`    "tier_id": "2"`
			`   },`
			`   {`
			`    "tier_id": "6"`
			`   }`
			`  ]`
			`}`
			`}`
				`{`
				`"loyalty_offer_crud_rs": {`
				` "status": "success"`
				`}`
				`}`	

Fetch all active loyalty tiers	BusinessUser	getLoyaltyTiersInfo	{
			"loyalty_tier_fetch_rq": {
			 "header": {
			  "user_name": "businessUser/endUser",
			  "product": "LRS",
			  "request_type": "FETCH_LOYALTY_TIER"
			 }
			}
			}
				{
				"loyalty_tier_fetch_rs": {
				 "tier_list": [
				  {
				   "tier_id":"1",
				   "tier_name": "Platinum",
				   "tier_desc": "Platinum membership",
				   "modified_by":"businessUser1",
				   "last_modified":"12/7/2024, 10:54:12 AM",
				   "status": "Active"
				  },
				  {
				   "tier_id":"2",
				   "tier_name": "Gold",
				   "tier_desc": "Gold membership",
				   "modified_by":"businessUser2",
				   "last_modified":"12/8/2024, 10:54:12 AM",
				   "status": "Active"
				  }
				]
				}
				}	

Mapping of offers with tiers	BusinessUsers	MappingLoyaltyOffersTiers	{
			"loyalty_offer_tier_mapping_rq": {
			 "header": {
			  "user_name": "businessUser",
			  "product": "LRS",
			  "request_type": "MAPPING_LOYALTY_OFFER_TIER"
			 },
			 "mapping_info_offer_tier": [
			  {
			   "offer_id": "1",
			   "tier_id": "4",
			   "Status": "(A)ctive/(I)nactive"
			  },
			  {
			   "offer_id": "2",
			   "tier_id": "1",
			   "Status": "(A)ctive/(I)nactive"
			  }
			]
			}
			}
				{
				"loyalty_offer_tier_mapping_rs": {
				 "status": "success"
				}
				}	

Edit/Delete mapping of offers with tiers	BusinessUser	EditMappingLoyaltyOffers	{
			"edit_loyalty_offer_tier_mapping_rq": {
			 "header": {
			  "user_name": "businessUser",
			  "product": "LRS",
			  "request_type": "EDIT_MAPPING_LOYALTY_OFFER_TIER"
			 },
			 "mapping_info_offer_tier": [
			  {
			   "mapping_id": "1",
			   "Status": "(A)ctive/(I)nactive"
			  },
			  {
			   "offer_id": "2",
			   "tier_id": "1",
			   "Status": "(A)ctive/(I)nactive"
			  }
			]
			}
			}
				{
				"edit_loyalty_offer_tier_mapping_rs": {
				 "status": "success"
				}
				}
					If an already mapped offer-tier is edited, previous mapping will be inactive and a new mapping will be created; Both will be there in request;

| View tierwise rule setup | BusinessUser | FetchTierwiseRuleSetup | {
"loyalty_rule_setup_with_tier_rq": {
 "header": {
  "user_name": "endUser",
  "product": "LRS",
  "request_type": "FETCH_TIER_WISE_RULE_SETUP_INFO"
  }
 }
} | {
 "loyalty_rule_setup_with_tier_rs": {
  "tier_wise_loyalty_rule_setup": {
  "currency": "USD",
  "wallet_balance": "8000"
  "tier_wise_loyalty_rule_list": [
   {
    "rule_id":"1",
    "tier_id": "1",
    "rule_desc": "Revenue-based conversion to ADA for silver-tier members.",
    "conversion_rules": [
     {
     "min_revenue": "1000",
     "max_revenue": "1000",
     "percentage_rate": "5"
     }
    ]
   },
   {
    "rule_id":"2",
    "tier_id": "2",
    "rule_desc": "Revenue-based conversion to ADA for Gold-tier members.",
    "conversion_rules": [
     {
     "min_revenue": "1001",
     "max_revenue": "5000",
     "percentage_rate": "8"
     }
    ]
   },
   {
    "rule_id":"3",
    "tier_id": "3",
    "rule_desc": "Revenue-based conversion to ADA for platinum-tier members.",
    "conversion_rules": [
     {
     "min_revenue": "5000",
     "max_revenue": "null",
     "percentage_rate": "8"
     }
    ]
   }
   ]
  }
 }
} | |
| Save tierwise rule setup | BusinessUser | SaveTierwiseRuleSetup | {
"loyalty_rule_setup_with_tier_rq": {
 "header": {
  "user_name": "businessUser",
  "product": "LRS",
  "request_type": "LOYALTY_RULE_SETUP_SAVE"
  },
 "tier_wise_loyalty_rule_setup": {
  "currency": "USD",
  "tier_wise_loyalty_rule_list": [
   {
    "tier_id": "1",
    "rule_desc": "Revenue-based conversion to ADA for silver-tier members.",
    "conversion_rules": [
     {
     "min_revenue": "1000",
     "max_revenue": "1000",
     "percentage_rate": "5"
     }
    ]
   },
   {
    "tier_id": "2",
    "rule_desc": "Revenue-based conversion to ADA for Gold-tier members.",
    "conversion_rules": [| {
 "loyalty_rule_setup_with_tier_rs": {
  "status": "success"
 }
} | |

```
          {
            "min_revenue": "1001",
            "max_revenue": "5000",
            "percentage_rate": "8"
          }
        ]
      },
      {
        "tier_id": "3",
        "rule_desc": "Revenue-based conversion to ADA for platinum-
tier members.",
        "conversion_rules": [
          {
            "min_revenue": "1001",
            "max_revenue": "5000",
            "percentage_rate": "8"
          }
        ]
      }
    ]
  }
}
}
```

| View details while logged in as end user | End User | loginInfoForEndUser | {
"loyalty_end_user_login_rq": {
 "header": {
  "product": "LRS",
  "request_type": "END_USER_LOGIN"
 },
 "user_info": {
  "email": "user@example.com",
  "password": "encryptedsecurePassword123"
 }
}
} | {
"loyalty_end_user_login_rs": {
 "user_info": {
  "status": "success",
  "message": "Login successful",
  "user_info": {
   "user_id": "101",
   "email": "user@example.com",
   "tier": {
    "tier_id": "3",
    "tier_name": "Gold"
   },
   "assigned_offers": [
    {
     "offer_id": "1",
     "offer_name": "Exclusive Access",
     "offer_desc": "Exclusive product launch preview"
    },
    {
     "offer_id": "2",
     "offer_name": "Priority Support",
     "offer_desc": "Enjoy priority access to our customer support team"
    }
   ],
   "wallet_info": {
    "ada_balance": "1200",
    "rewards_earned":"800",
    "rewards_spent":"300",
    "rewards_balance":"500",
    "transactions": [
     {
      "transaction_id": "1",
      "date": "2024-01-10",
      "amount": "100",
      "type": "credit",
      "desc": "ADA reward for Gold-tier spending"
     },
     {
      "transaction_id": "2",
      "date": "2024-01-15",
      "amount": "50",
      "type": "debit",
      "desc": "Purchase of product"
     }
    ]
   }
  }
 }
}
} | |

View end users details with pagination	Business User	FetchEndUsersInfo	{
			"loyalty_end_users_info_rq": {
			 "header": {
			  "user_name": "businessUser",
			  "product": "LRS",
			  "request_type": "FETCH_END_USER_INFO"
			 }
			}
			}
				{
				"loyalty_end_users_info_rs": {
				 "user_info_list": {
				  "overall_info": {
				   "total_users": "100",
				   "page": "1",
				   "limit": "20",
				   "user_info": [
				    {
				     "user_id": "101",
				     "email": "endUser1@example.com",
				     "user_name": "endUser",
				     "tier_editable":"true/false"
				     "tier": {
				      "tier_id": "3",
				      "tier_name": "Gold",
				      "rule_applied": {
				       "rule_id": "2",
				       "rule_desc": "Revenue-based conversion to ADA for platinum-tier members.",
				       "conversion_rules": [
				        {
				         "min_revenue": "1001",
				         "max_revenue": "5000",
				         "percentage_rate": "8"
				        }
				       ]
				      }
				     },
				     "assigned_offers": [
				      {
				       "offer_id": "1",
				       "offer_name": "Priority Support",
				       "offer_desc": "Enjoy priority access to our customer support team"
				      }
				     ],
				     "wallet_info": {
				      "ada_balance": "1200"
				     }
				    }
				   ]
				  }
				 }
				}
				}	

Modify end users details (only tier)	Business User	EditEndUsersInfo	{
			"loyalty_end_user_edit_rq": {
			 "user_info_list": {
			 "user_info": [
			  {
			   "user_id": "101",
			   "tier": {
			    "tier_id": "3"
			   }
			  }
			]
			 }
			}
			}
				{
				"loyalty_end_user_edit_rq": {
				 "status": "success"
				 }
				}	

Transfer currency from one wallet to another wallet	End User	transferFromOneWalletToAnother	{
			"loyalty_end_user_wallet_transfer_rq": {
			 "header": {
			  "user_name": "endUser",
			  "product": "LRS",
			  "request_type": "END_USER_WALLET_TRANSFER"
			 },
			 "wallet_info": {
			  "user_id": "1",
			  "source_wallet_address": "addr_test1vppvktxxw8eyhwkdf1jzq5xxqpxk8sj9d7pzvntfkng94ycn9mjxq",
			  "destination_wallet_address": "addr_test2vppvktxxw8eyhwkdf1jzq5xxqpxk8sj9d7pzvntfkng94y",
			  "currency_type": "ada",
			  "amount": "100.0",
			  "transaction_desc": "Transfer for purchase"
			 }
			}
			}
				{
				"loyalty_end_user_wallet_transfer_rq": {
				 "status": "success"
				 }
				}	

| After successful login, the end user needs to integrate existing wallet | End User | createEndUserWallet | {
"loyalty_end_user_wallet_integrate_rq": {
 "header": {
  "user_name": "endUser",
  "product": "LRS",
  "request_type": "END_USER_CREATE_WALLET"
 },
 "wallet_info": {
  "user_id": "1",
  "currency_type": "ada",
  "wallet_name": "cardanoWallet",
  "wallet_address":
"addr_test1vppvktxxw8eyhwkdf1jzq5xxqpxk8sj9d7pzvntfkng94ycn9mjxq",
  }
 }
} | {
"loyalty_end_user_wallet_integrate_rs": {
 "status": "success"
 }
} | |