3.4. Manager Supporting Document

3.4.1.   SD-028
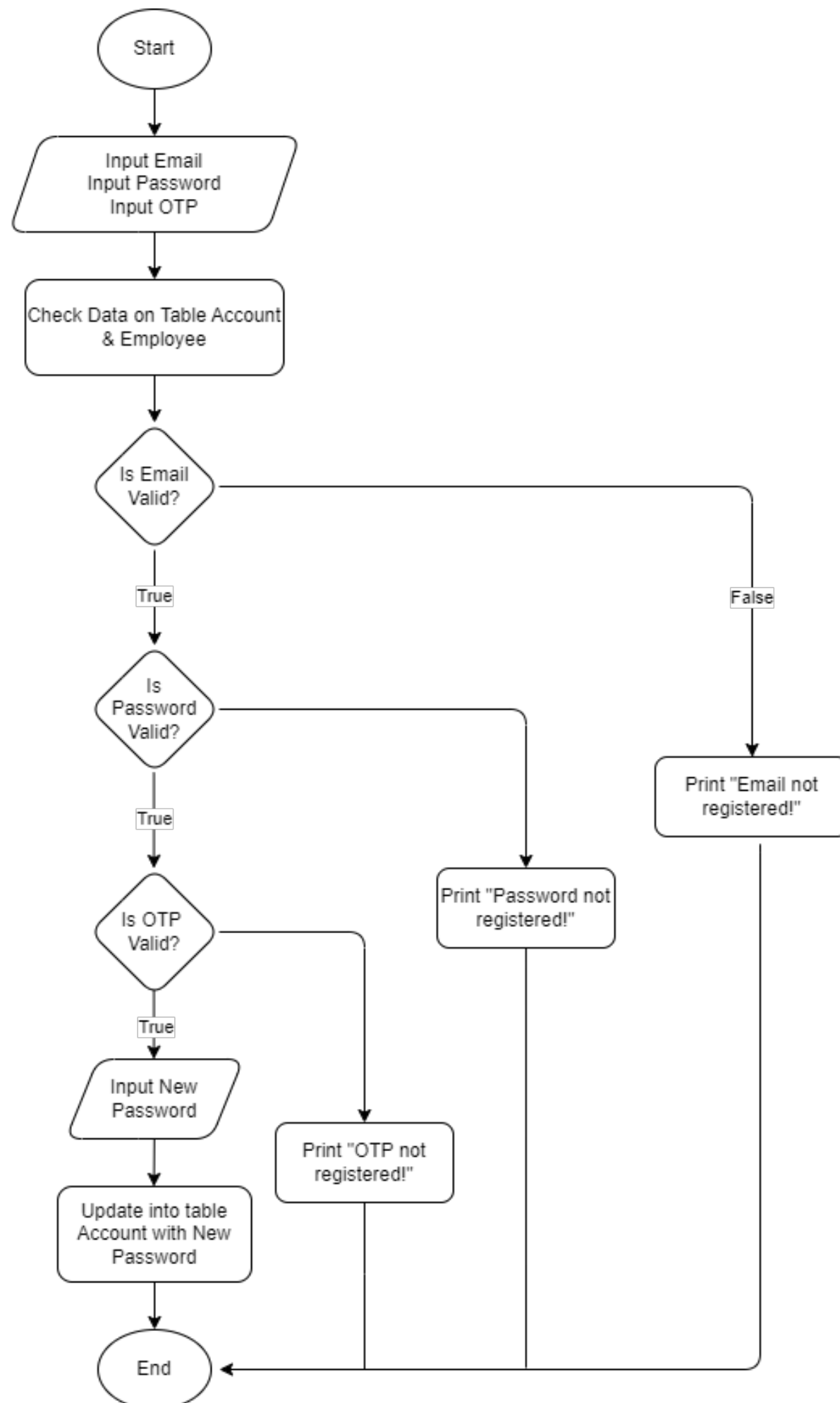
Document Id	SD-028
Name	usp_Edit_Profile
Owner	ACT003, ACT004
Description	Digunakan untuk mengedit profile
Properties	
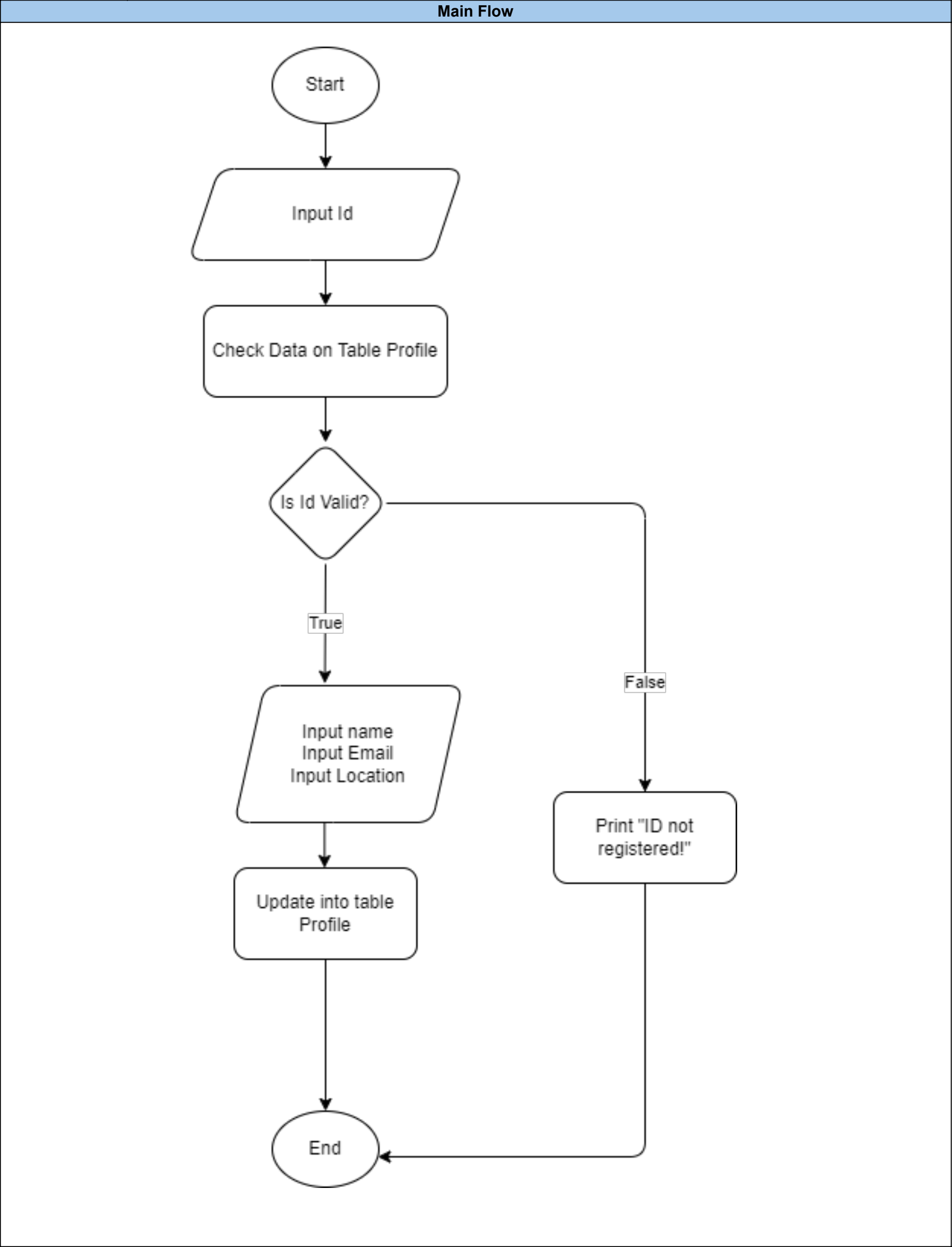
Main Flow

Document Id	SD-029
Name	usp_change_password
Owner	ACT003, ACT004
Description	Digunakan untuk mengubah password
Properties	
Main Flow	

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
                  ╱──────────────╲
                 │  Input Email   │
                 │  Input Password│
                 │  Input OTP     │
                  ╲──────────────╱
                         │
                         ▼
              ┌────────────────────┐
              │ Check Data on Table│
              │ Account & Employee │
              └────────────────────┘
                         │
                         ▼
                     ◇ Is Email ◇ ───── False ──→ Print "Email not registered!"
                     ◇  Valid?  ◇                        │
                         │                               │
                        True                             │
                         ▼                               │
                  ◇ Is Password ◇ ── Print "Password     │
                  ◇   Valid?    ◇    not registered!"    │
                         │                  │            │
                        True                │            │
                         ▼                  │            │
                    ◇ Is OTP ◇ ── Print "OTP│            │
                    ◇ Valid? ◇    not registered!"       │
                         │              │    │            │
                        True            │    │            │
                         ▼              │    │            │
                  ╱──────────╲          │    │            │
                 │ Input New  │         │    │            │
                 │ Password   │         │    │            │
                  ╲──────────╱          │    │            │
                         │              │    │            │
                         ▼              │    │            │
              ┌────────────────┐        │    │            │
              │ Update into    │        │    │            │
              │ table Account  │        │    │            │
              │ with New       │        │    │            │
              │ Password       │        │    │            │
              └────────────────┘        │    │            │
                         │              │    │            │
                         ▼              │    │            │
                    ┌─────────┐ ◄───────┴────┴────────────┘
                    │   End   │
                    └─────────┘
```

3.2. Super Admin Supporting Document

3.2.1. SD-004

Document Id	SD-004
Name	usp_register
Owner	ACT001, ACT002
Description	Digunakan untuk menambahkan Data Employee baru
Properties	

Main Flow

Start

Input First Name
Input Last Name
Input Gender
Input Email
Input Phone
Input Hire Date
Input Salary
Input Manager Id
Input Job Id
Input Department Id
Input Password
Input Confirm Password

Is Gender "Male" or "Female"? — False → Print "Gender Input Should "Male" or "Female"!"

True

Is Format Email Valid? — False → Print "Email Should in the Correct Format!"

True

Is Phone not Contain Text? — False → Print "Phone Number Cannot Contain Text!"

True

Is Password Match? — False → Print "Password didnt Match!"

True

Check Manager Id on Table Employee

Is Valid? — False → Print "Manager Id not Found!"

True

Check Job Id on Table Job

Is Valid? — False → Print "Job Id not Found!"

True

Is Salary > Min Salary & Salary < Max Salary? — False → Print "Salary cannot Higher Than (Max Salary) and Lower Than (Min Salary)!"

True

Add New Data in Table Employee

Add New Data in Table Account

Give an Employee Role to the New Data in Table Account Roles

End

3.2.2.   SD-005

Document Id	SD 005
Name	Edit employee
Owner	ACT001, ACT002
Description	Digunakan untuk mengedit Data Employee
Properties	id
	name
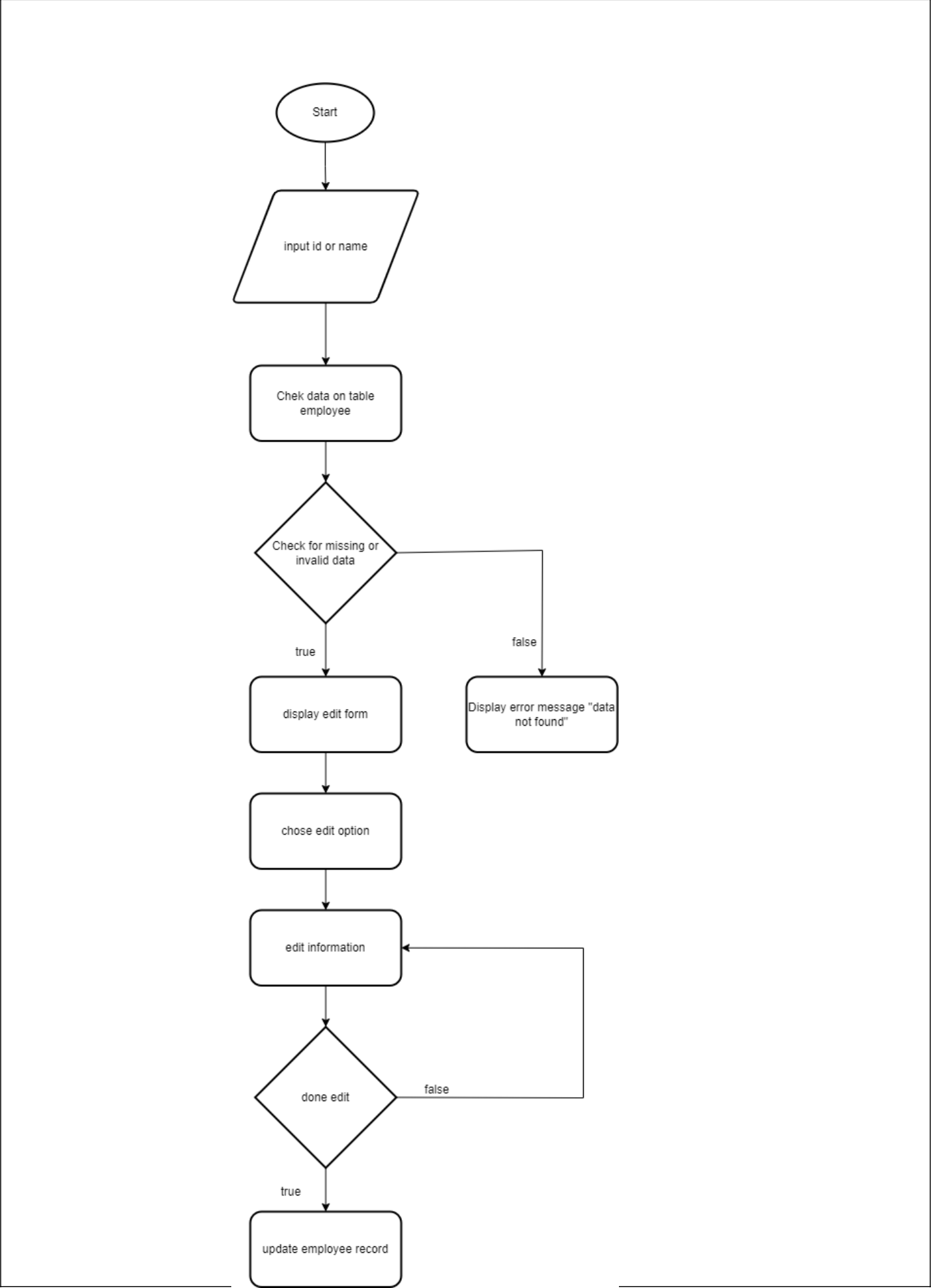
Main Flow

3.2.3.   SD-006

Document Id	SD-006
Name	usp_delete_data_employee
Owner	ACT001, ACT002
Description	Digunakan untuk menghapus Data Employee
Properties	id

Main Flow

```
                    ┌─────────┐
                    │  Start  │
                    └────┬────┘
                         │
                 ┌───────▼────────┐
                /  Input Id Employee /
               └────────┬──────────┘
                         │
                ┌────────▼─────────┐
                │ Check Data on Table │
                │     Employee      │
                └────────┬─────────┘
                         │
                    ┌────▼────┐
                   /          \
                  <  Is Id Valid? >──────────────┐
                   \          /              False│
                    └────┬────┘                   │
                     True│                        │
                    ┌────▼────┐                   │
                   / Are you  \                   │
                  /  sure to   \                  │
                 <  delete this  >───────┐        │
                  \  employee?  /        │        │
                   \           /         │        │
                    └────┬────┘          │  ┌─────▼──────┐
                     True│               │  │Print "Account not│
                ┌────────▼─────────┐     │  │ registered!"     │
                │  Print "Delete   │     │  └─────┬──────┘
                │    Success"      │     │        │
                └────────┬─────────┘     │        │
                         │               │        │
                         └───────────────┴────────┘
                         │
                    ┌────▼────┐
                    │   End   │
                    └─────────┘
```
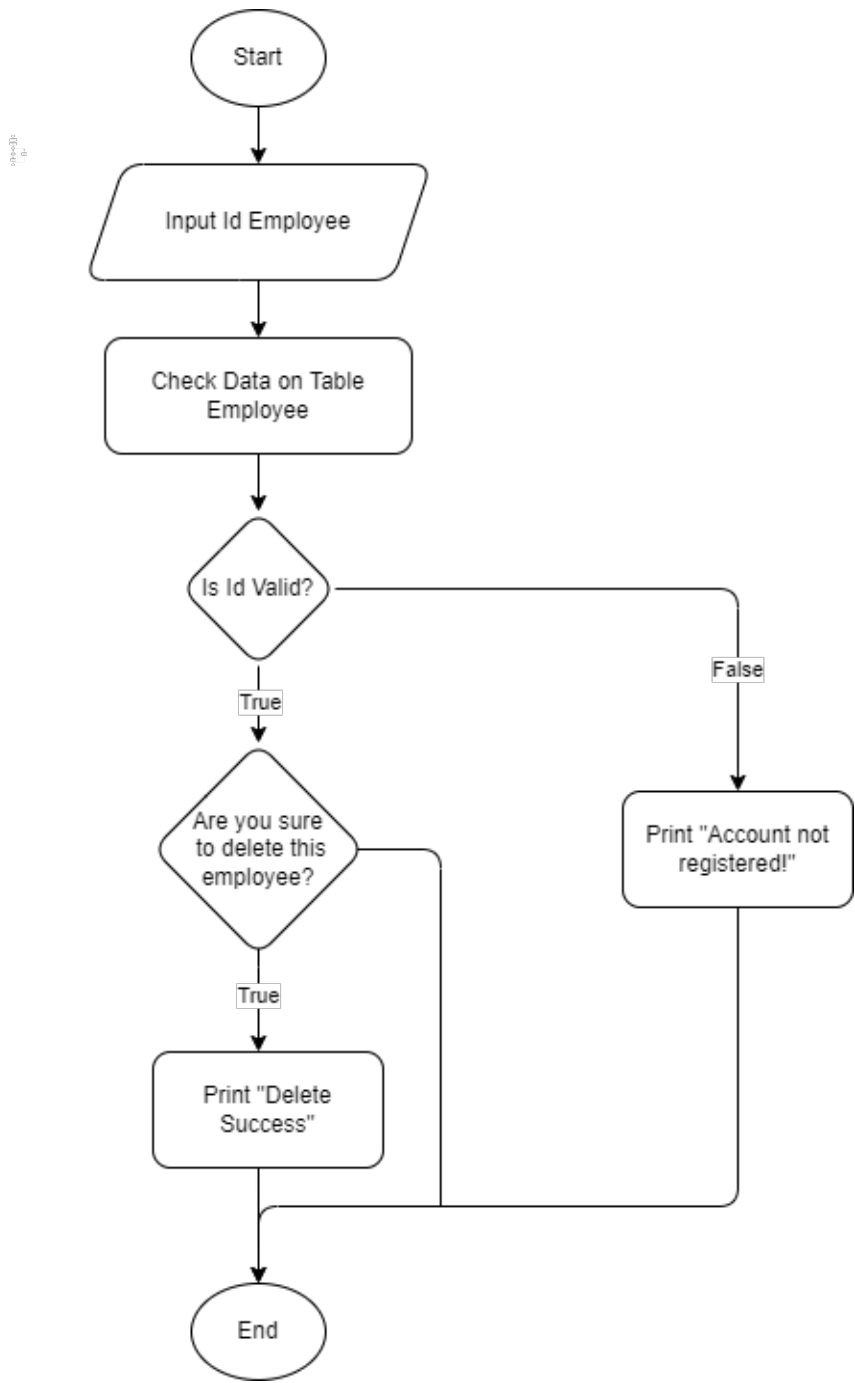
3.2.4. **SD-007**

Document Id	SD-007
Name	usp_add_data_job
Owner	ACT001, ACT002
Description	untuk menambahkan data pekerjaan
Properties	job id
	Title id
	Min salary and max salary
Main Flow	

store procedure untuk add data job

```
                    START
                      |
          input job id
          input job title
          input min salary
          input max salary
                      |
          Check Job id on
          a Table Job
                      |
        does the id not ---No---> print "The same id is
          exist yet?                    found"
             |
            Yes
             |
        does the job title not ---No---> print "The same job
          exist yet?                        title is found"
             |
            Yes
             |
        is min salary < max salary ---No---> print "min salary
             |                                cannot higher than
            Yes                                max salary"
             |
        Add New Data in
          Table Job
             |
           END
```
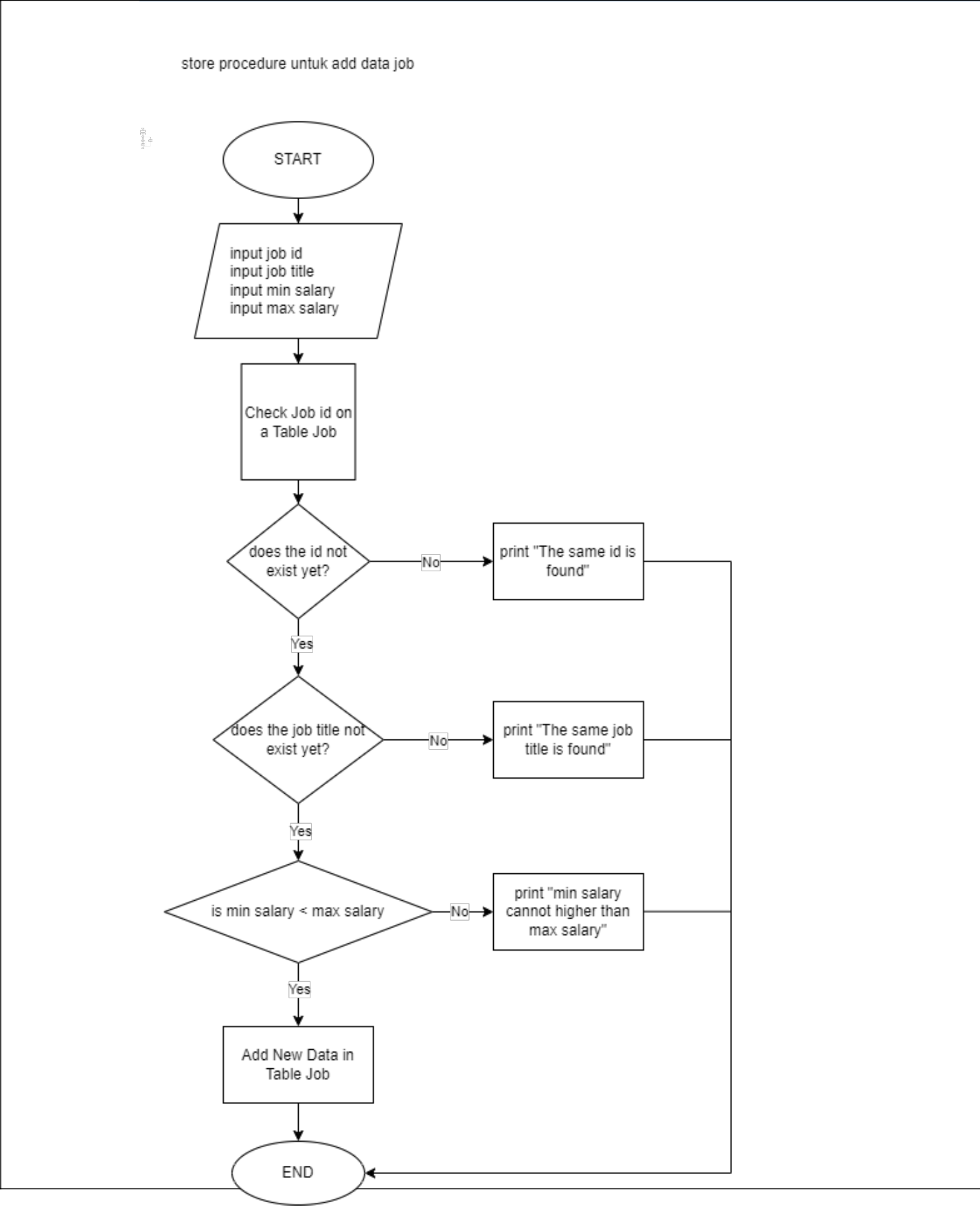
3.2.5.   SD-008

Document Id	SD-008
Name	usp_edit_data_job
Owner	ACT001, ACT002
Description	Digunakan untuk mengedit data pekerjaan
Properties	job id
	job title
Main Flow	
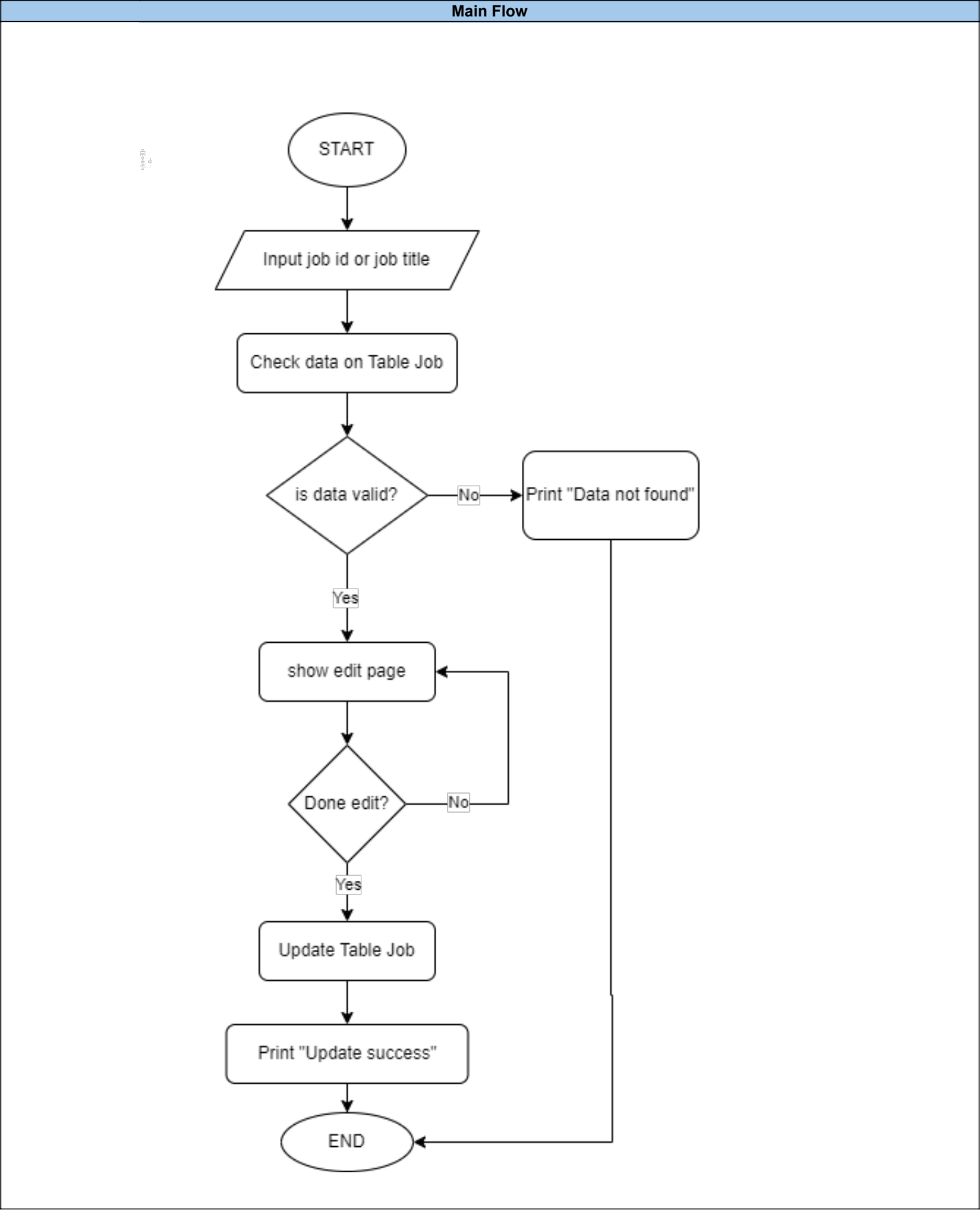
3.2.6.   SD-009

Document Id	SD-009
Name	usp_delete_data_job
Owner	ACT001, ACT002
Description	Digunakan untuk menghapus data pekerjaan
Properties	job id
	job title
Main Flow	

```
                        ( START )
                           |
                           v
              / Input Job ID or Job Title /
                           |
                           v
              [ Check data on Table Job ]
                           |
                           v
                       < is valid? > --No--> [ Print "Account
                           |                    not found" ]
                          Yes                      |
                           v                       |
                   [ Delete Data Job               |
                     from database ]               |
                           |                       |
                           v                       |
                   [ Print "Data has               |
                     been deleted" ]               |
                           |                       |
                           v                       |
                        ( END ) <------------------
```
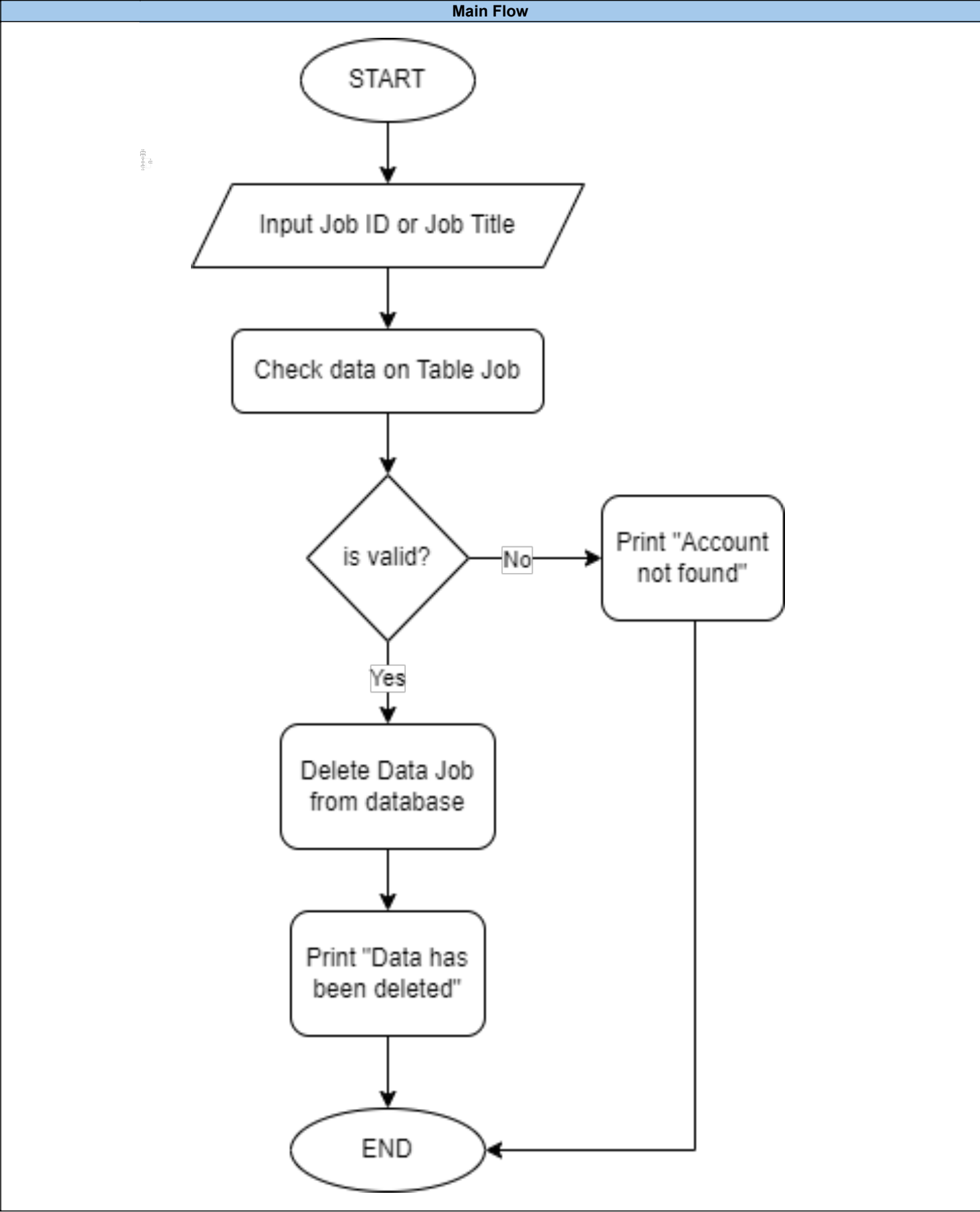
3.2.7. SD-010

Document Id	SD 010
Name	add department
Owner	ACT001, ACT002
Description	Digunakan untuk menambah data Depertment
Properties	id
	name
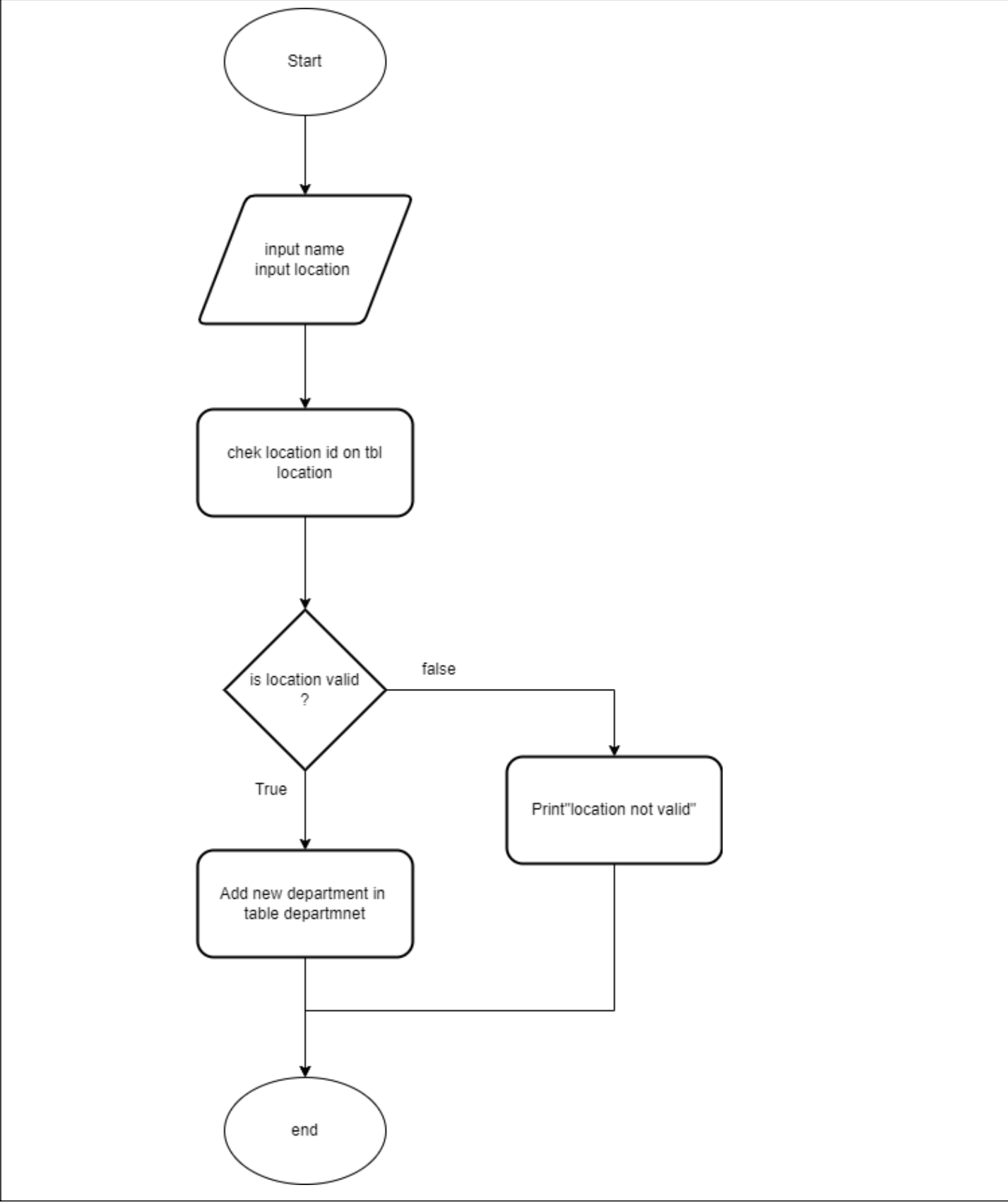
Main Flow

SD-011

Document Id	SD-011
Name	usp_edit_data_department
Owner	ACT001, ACT002
Description	digunakan untuk mengedit data departmen
Properties	id

Main Flow

START

Input department id or department name

Check data on Table Departments

is data valid? — No → Print "Data not found"

Yes

show edit page

Done edit? — No

Yes

Update Table Departments

Print "Update success"

END
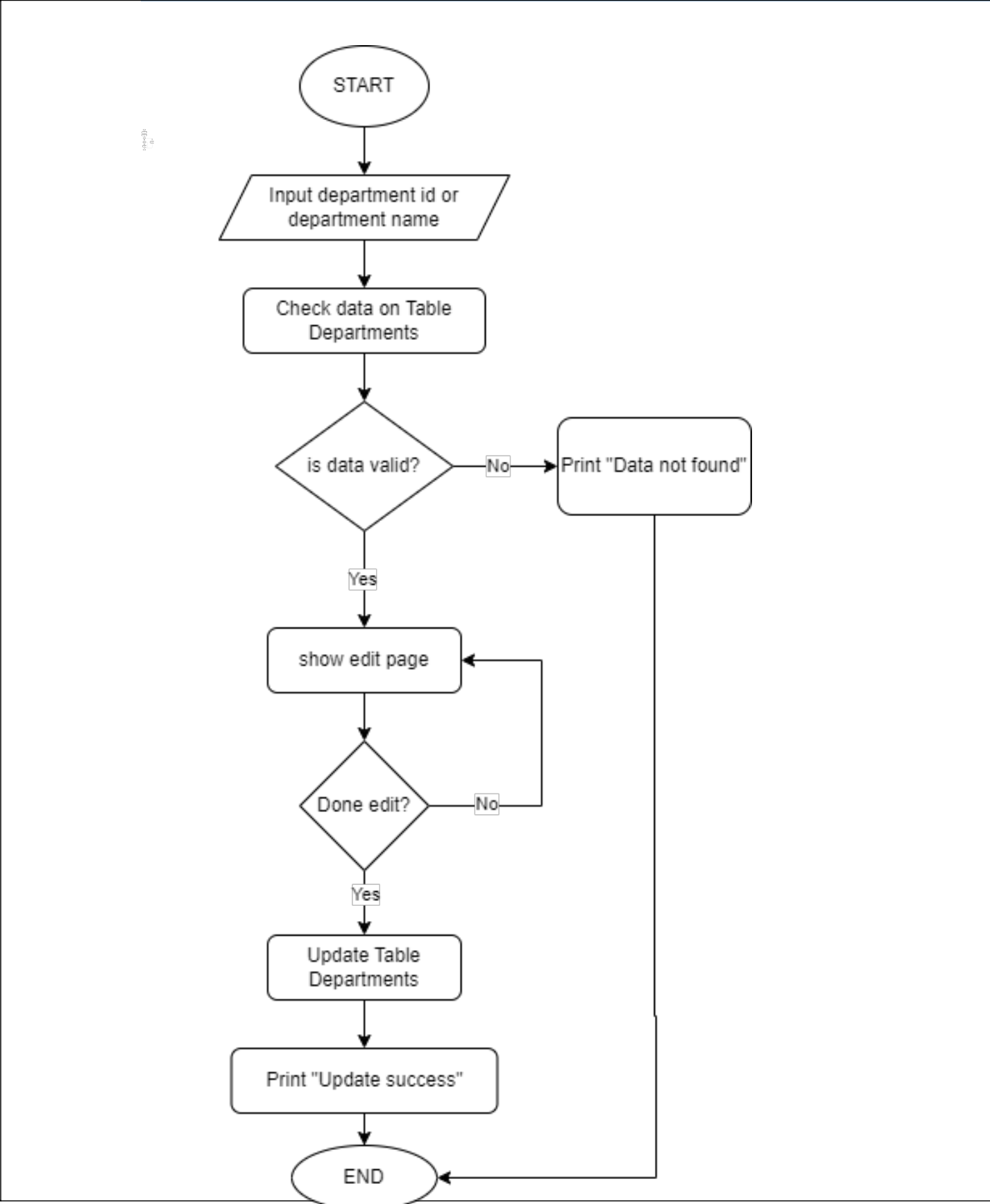
Document Id	SD-012
Name	usp_delete_data_department
Owner	ACT001, ACT002
Description	untuk menghapus data departemen
Properties	department id
	department name

Main Flow

START

Input Department ID atau Department Name

Check data on Table Departments

is valid? — No → Print "Account not found"

Yes

Delete Data Department from database

Print "Data has been deleted"

END
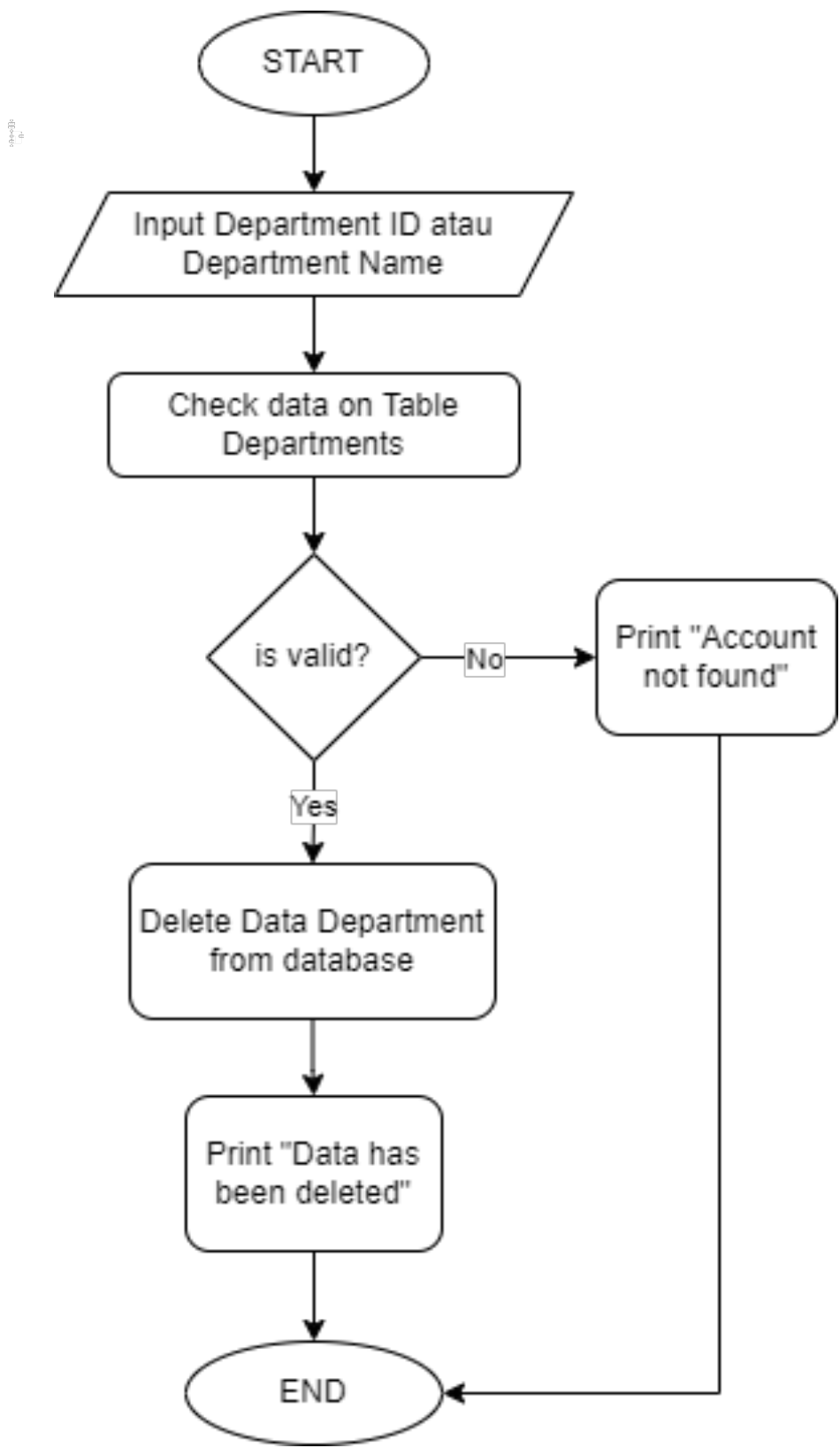
Document Id	SD-013
Name	usp_add_data_location
Owner	ACT001, ACT002
Description	untuk menambahkan data lokasi
Properties	location id

Main Flow

START

input location id
input country
input state province
input city
input postal code
input street address

Check data on Table Locations

Is the postal code not contain text? — No → print "Postal code cannot contain text"

Yes

does the id not exist yet? — No → print "The same id is found"

Yes

Add New Data in Table Locations

END
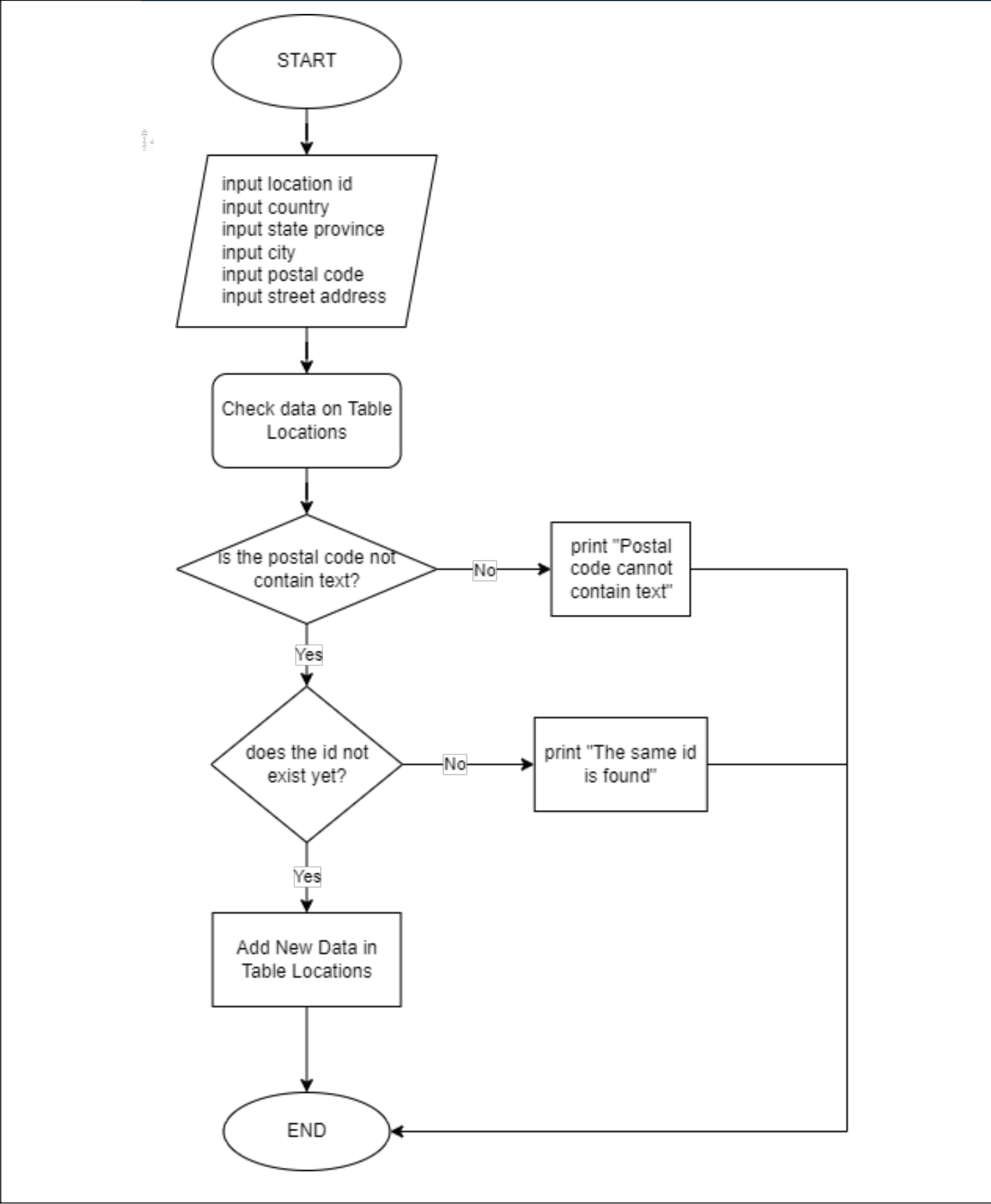
Document Id	SD 014
Name	Edit_Location
Owner	ACT001, ACT002
Description	Digunakan untuk mengedit data location
Properties	id
	street_adress
	Postal_Code
	City
	state_province
	CountryID
Main Flow	
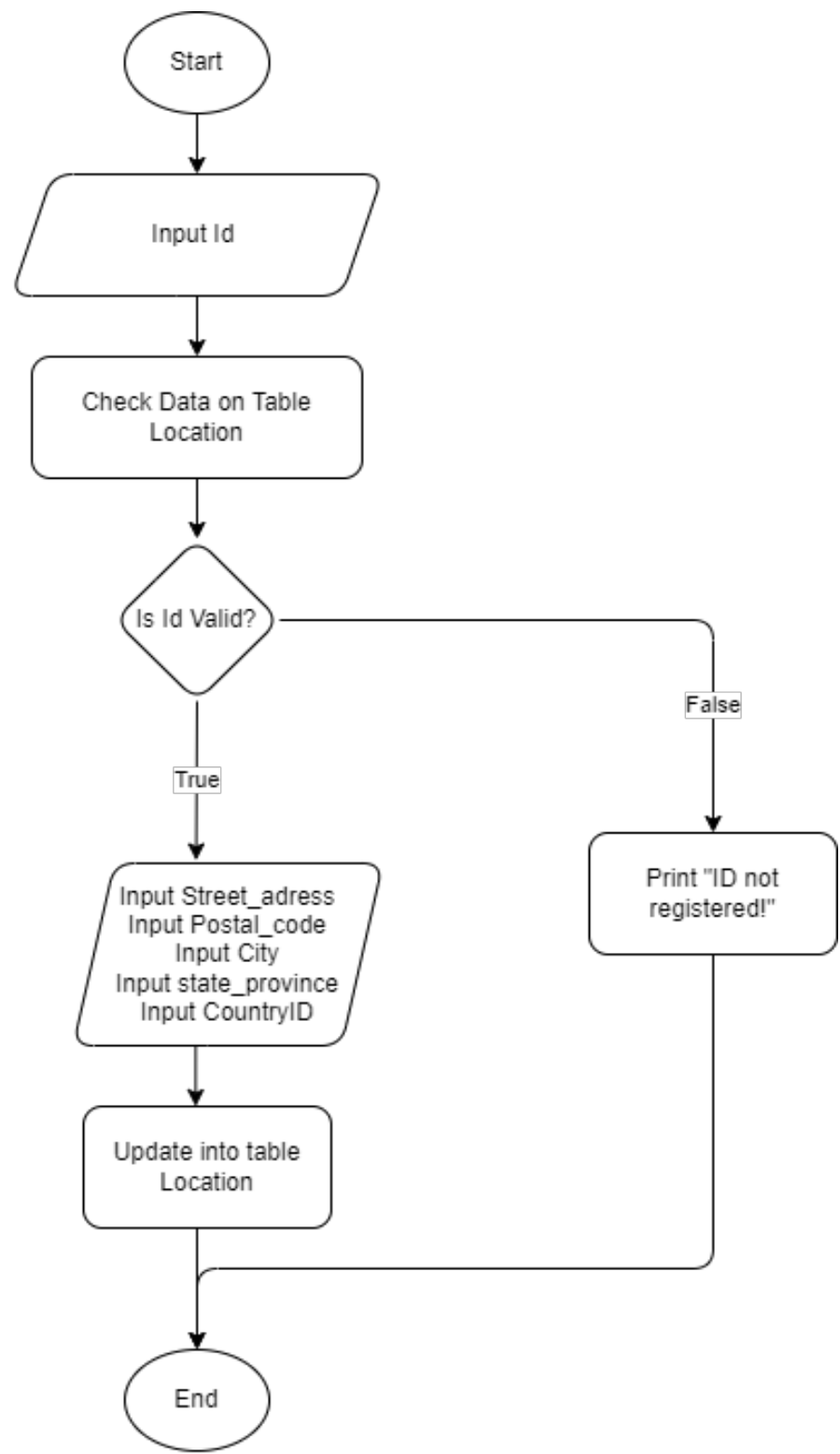
3.2.12. SD-015

Document Id	SD 015
Name	Delete data location
Owner	ACT001, ACT002
Description	Digunakan untuk menghapus data location
Properties	id

Main Flow

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
                   ╱──────────╲
                  ╱  input id   ╲
                  ╲             ╱
                   ╲───────────╱
                         │
                         ▼
                ┌──────────────────────┐
                │ Chek data on table    │
                │ location              │
                └──────────────────────┘
                         │
                         ▼
                      ◇◇◇◇◇
                 ◇               ◇  false   ┌─────────────────────┐
                ◇ Check for missing◇ ─────► │ Print "data not     │
                 ◇ or invalid data ◇        │ found"              │
                  ◇               ◇         └─────────────────────┘
                      ◇◇◇◇◇                          │
                         │ true                       │
                         ▼                            │
                      ◇◇◇◇◇                           │
                 ◇               ◇  false  ┌────────────────────┐
                ◇  Verify Deletion ◇ ────► │ Cancel the deletion│
                 ◇               ◇         │ process            │
                  ◇             ◇          └────────────────────┘
                      ◇◇◇◇◇                         │
                         │ true                      │
                         ▼                           │
                ┌──────────────────────┐             │
                │ Delete Location record│            │
                └──────────────────────┘             │
                         │                           │
                         ▼                           │
                    ┌─────────┐                      │
                    │   end   │◄─────────────────────┘
                    └─────────┘
```
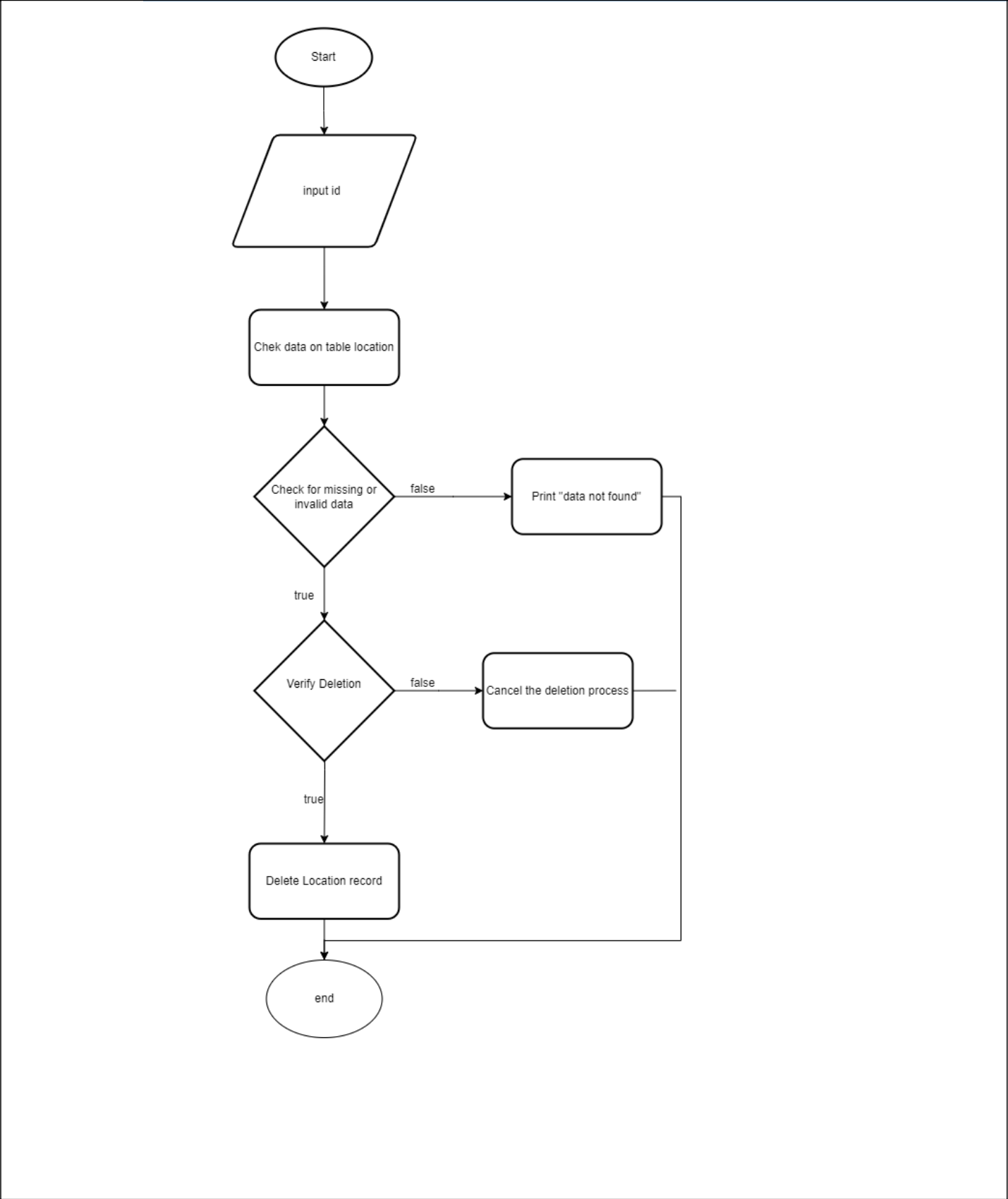
3.2.13. **SD-016**

Document Id	SD 016
Name	add countries
Owner	ACT001, ACT002
Description	Digunakan untuk menambah data countries
Properties	id
	name
	region id
Main Flow	
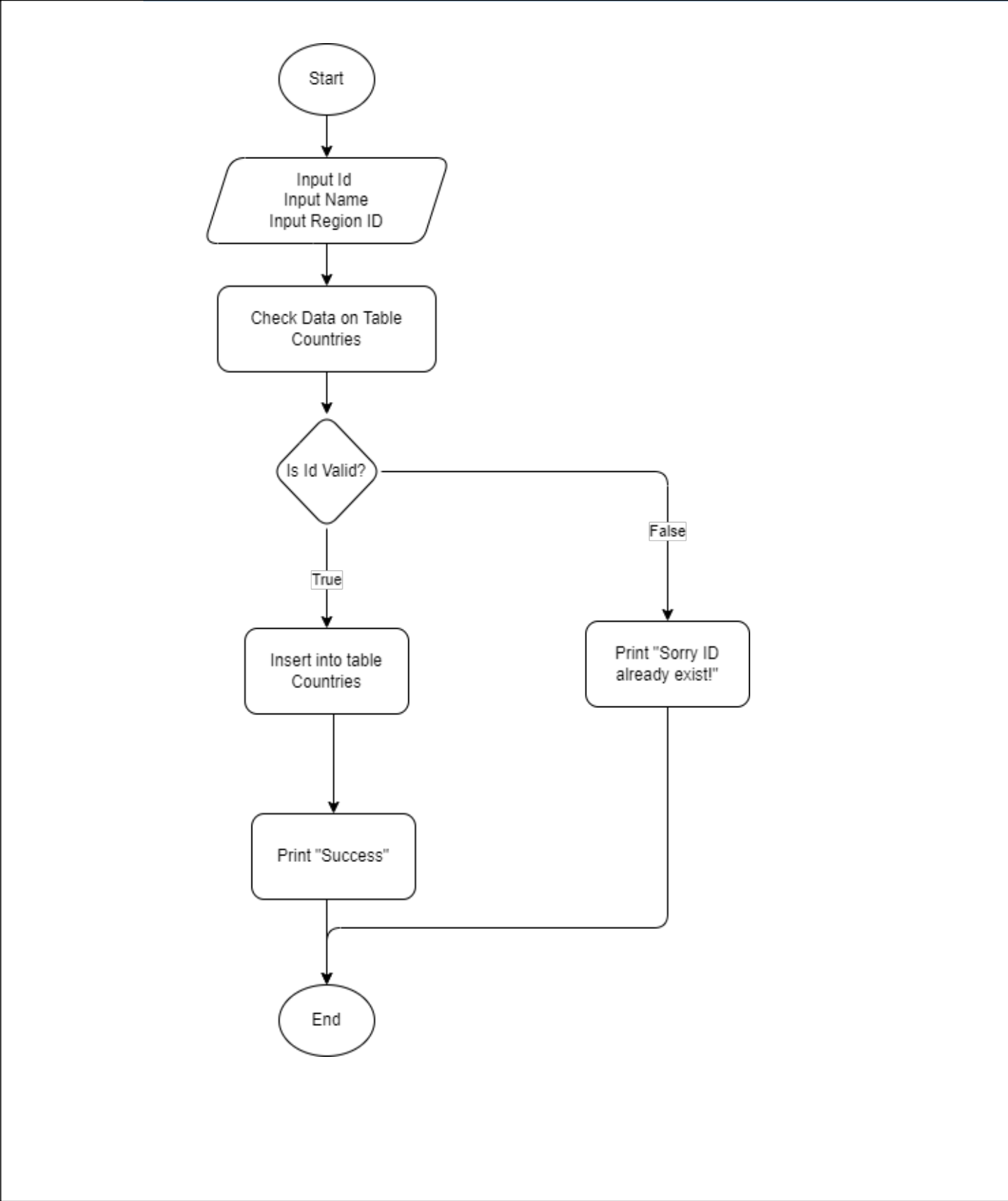
Document Id	SD 017
Name	Edit_Country
Owner	ACT001, ACT002
Description	Digunakan untuk mengedit data country
Properties	id
	name
	regionID
Main Flow	
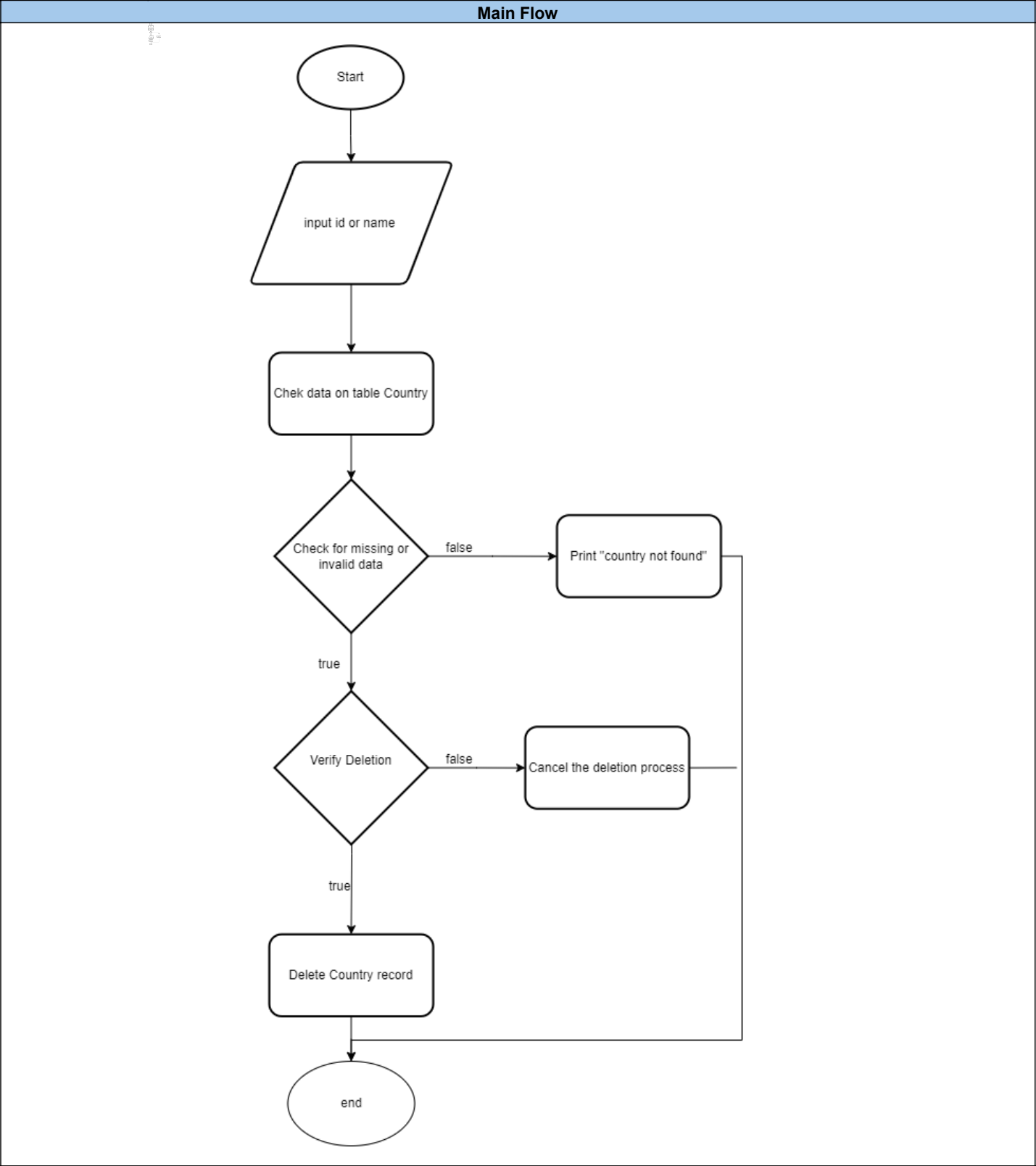
3.2.15. SD-018

Document Id	SD 018
Name	Delete data Country
Owner	ACT001, ACT002
Description	Digunakan untuk menghapus data country
Properties	id
	name
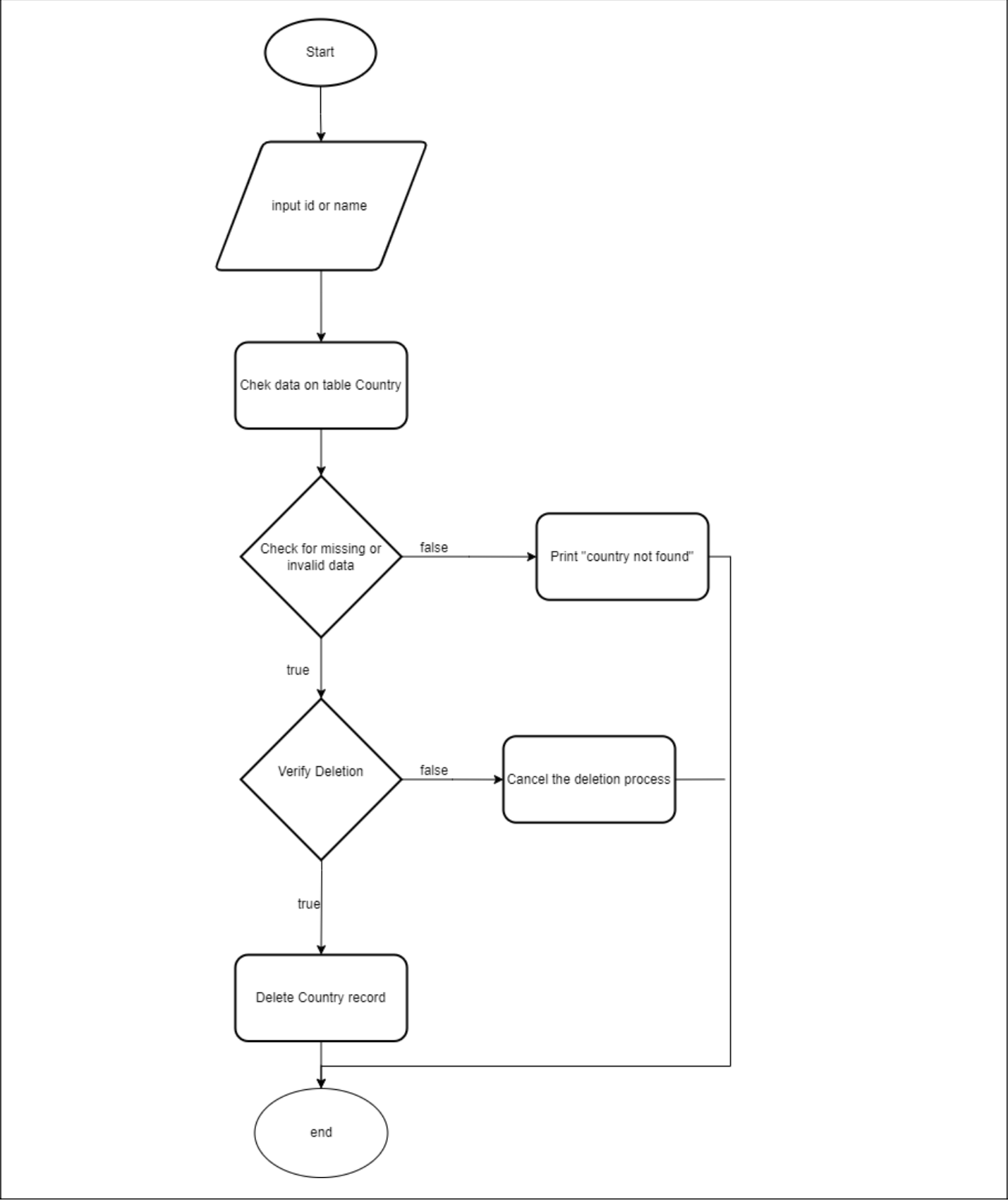
Main Flow

Document Id	SD 019
Name	add region
Owner	ACT001, ACT002
Description	Digunakan untuk menambah region
Properties	id
	name
Main Flow	

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
                 ╱─────────────────╲
                 │   Input Id       │
                 │   Input Name     │
                 ╲─────────────────╱
                         │
                         ▼
              ┌──────────────────────┐
              │ Check Data on Table  │
              │        Region        │
              └──────────────────────┘
                         │
                         ▼
                      ◇────────◇
                      │ Is Id  │──────────────────┐
                      │ Valid? │                  │
                      ◇────────◇                  │ False
                         │                        │
                         │ True                   ▼
                         ▼              ┌──────────────────┐
              ┌──────────────────┐      │ Print "Sorry ID  │
              │ Insert into table│      │ already exist!"  │
              │      Region      │      └──────────────────┘
              └──────────────────┘              │
                         │                       │
                         ▼                       │
              ┌──────────────────┐               │
              │ Print "Success"  │               │
              └──────────────────┘               │
                         │                       │
                         └───────────┬───────────┘
                                     ▼
                               ┌─────────┐
                               │   End   │
                               └─────────┘
```
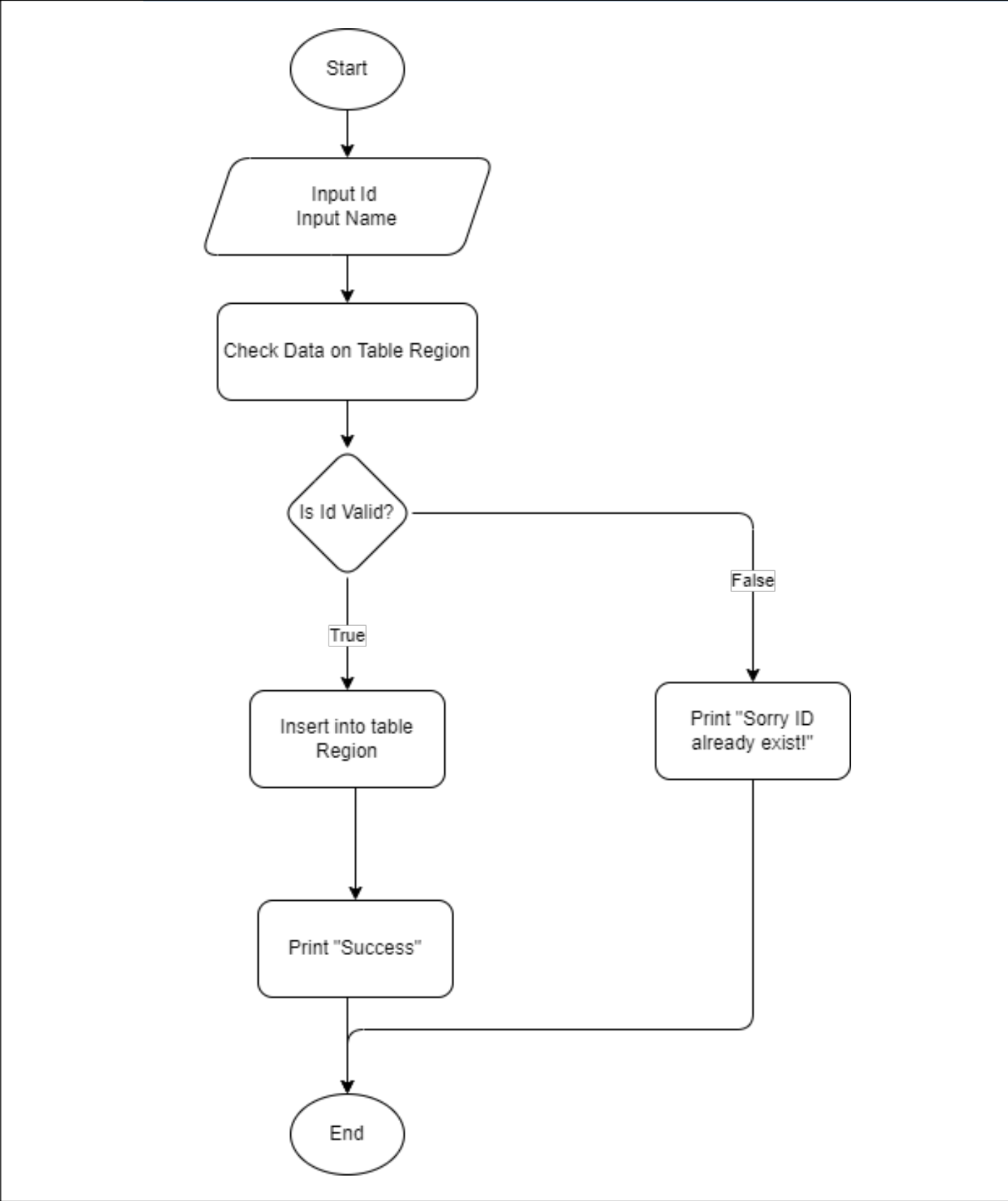
3.2.17. SD-020

Document Id	SD 020
Name	edit region
Owner	ACT001, ACT002
Description	Digunakan untuk mengedit region
Properties	id
	name
Main Flow	

```
                        Start

                        Input Id

                 Check Data on Table Region

                        Is Id Valid?
                                        False
              True
                                    Print "ID not
           Input name                registered!"

         Update into table
             Region

                        End
```
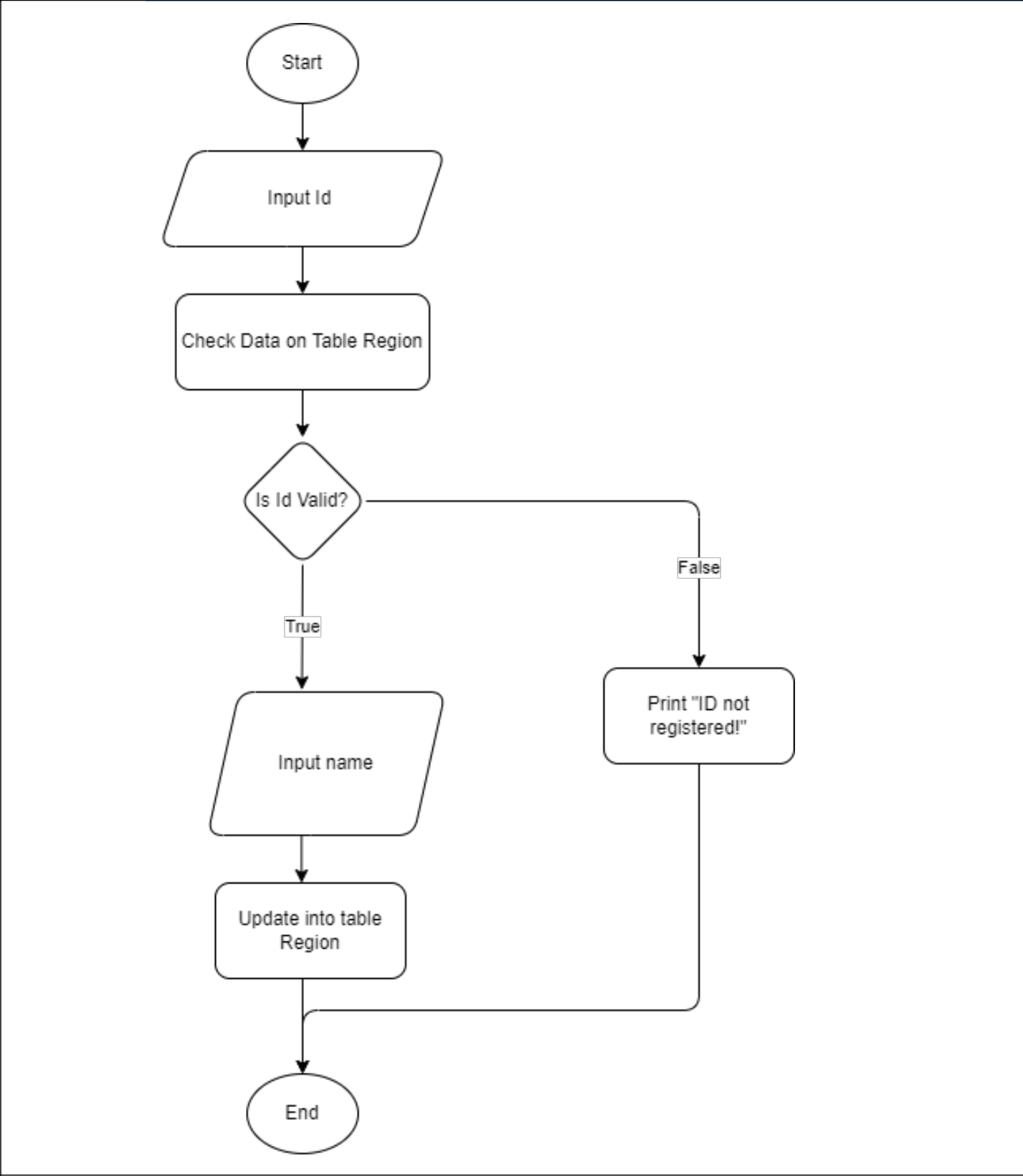
Document Id	SD-021
Name	usp_edit_delete_region
Owner	ACT001, ACT002
Description	untuk menghapus data region
Properties	region id
	region name
Main Flow	
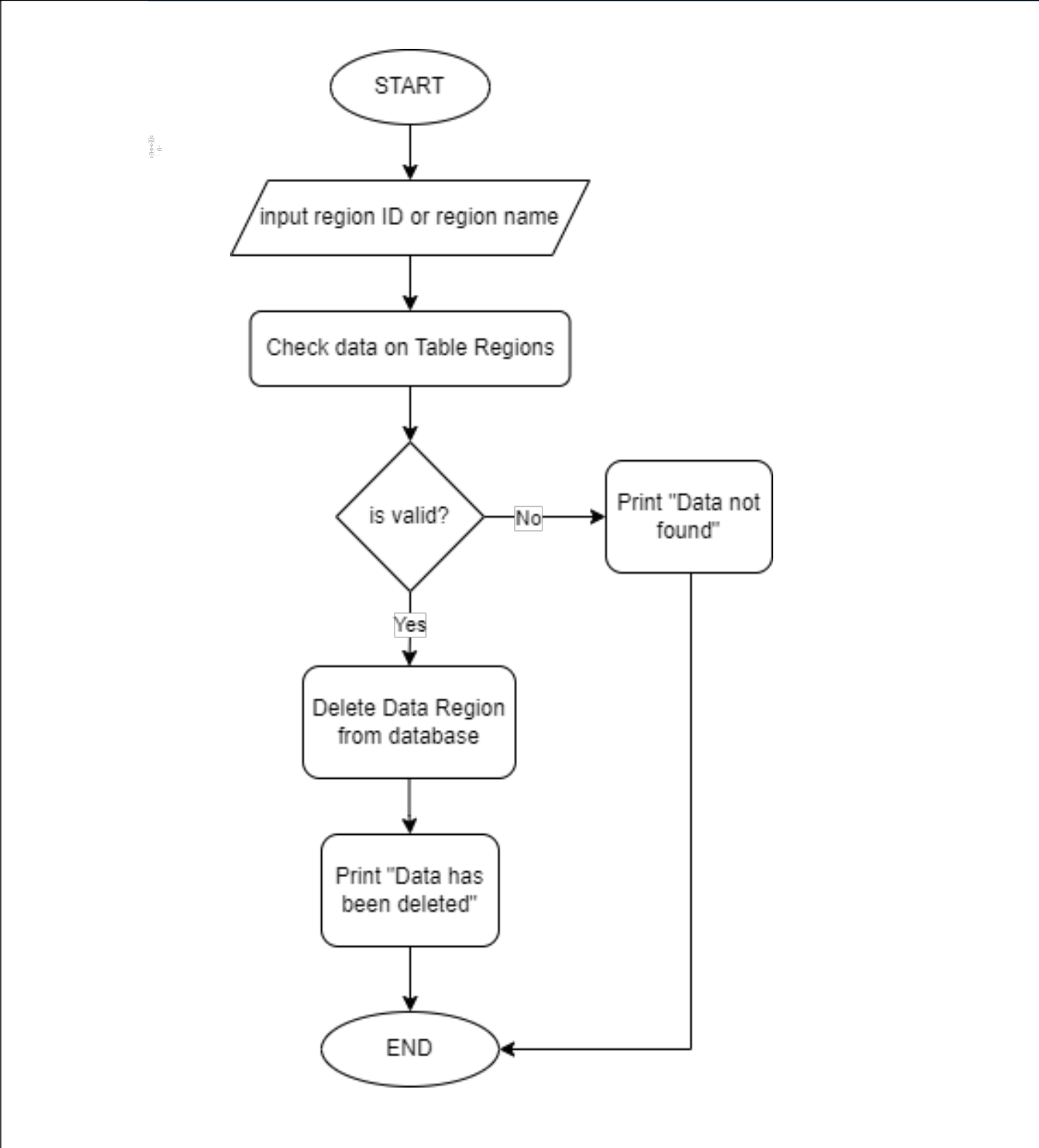
3.2.19. SD-022

Document Id	SD 022
Name	add role
Owner	ACT001, ACT002
Description	Digunakan untuk menambah role
Properties	id
	name
Main Flow	
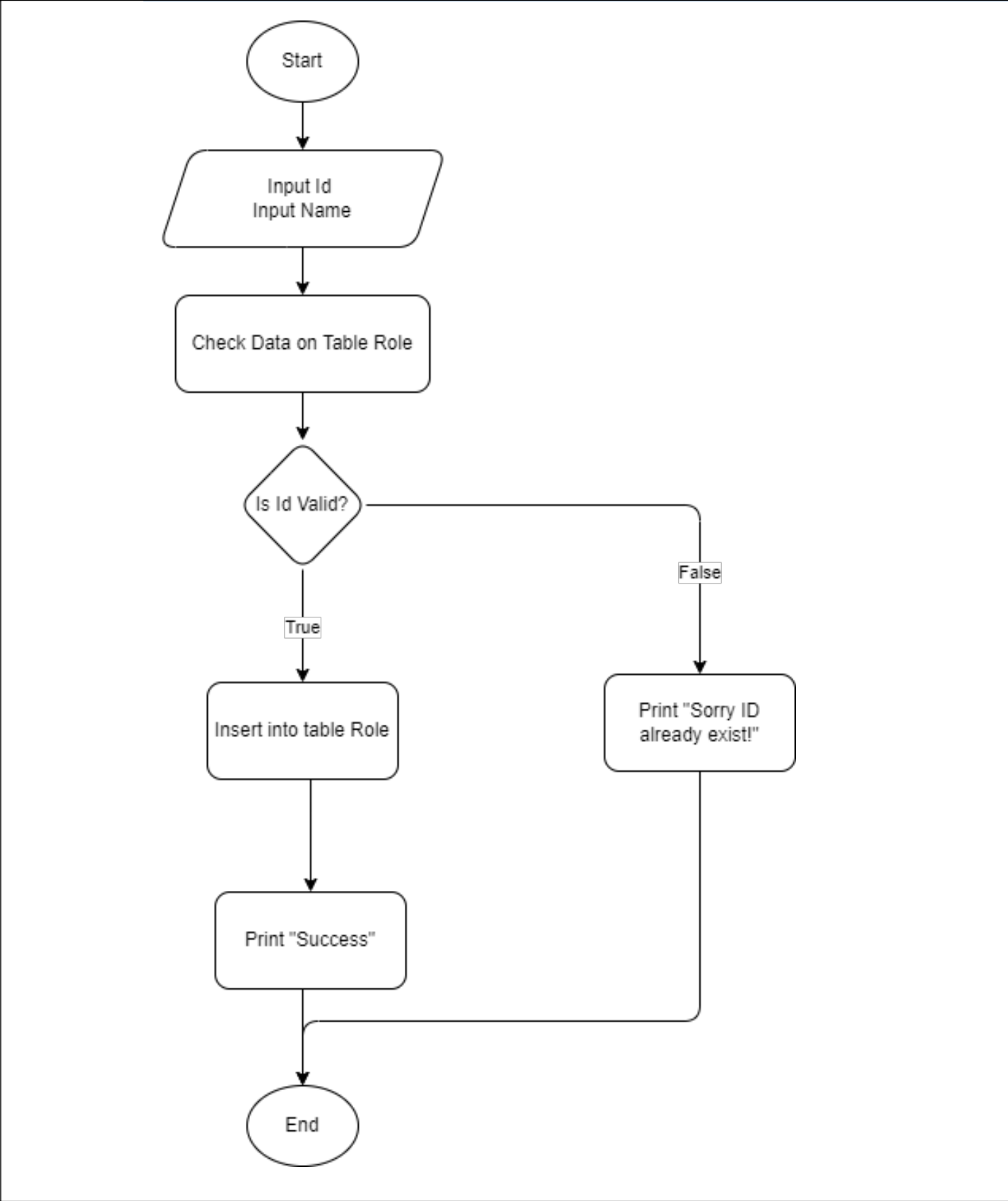
3.2.20. **SD-023**

Document Id	SD-023
Name	usp_edit_data_role
Owner	ACT001, ACT002
Description	Digunakan untuk merubah data role
Properties	role id
	role name
Main Flow	

```
                    ┌──────────┐
                    │  START   │
                    └────┬─────┘
                         │
                         ▼
              ╱──────────────────────╲
             │  Input role id or role  │
              ╲       name            ╱
                         │
                         ▼
              ┌────────────────────┐
              │ Check data on       │
              │ Table Roles         │
              └──────────┬─────────┘
                         │
                         ▼
                  ◇─────────────◇                    ┌──────────────────────┐
                 ╱ is data valid? ╲──────No─────────▶│ Print "Data not found"│
                  ◇─────────────◇                    └──────────┬───────────┘
                         │                                       │
                        Yes                                      │
                         ▼                                       │
              ┌────────────────────┐                            │
              │  show edit page     │◀──────┐                    │
              └──────────┬─────────┘        │                    │
                         │                  │                    │
                         ▼                  │                    │
                  ◇───────────◇             │                    │
                 ╱  Done edit? ╲────No──────┘                    │
                  ◇───────────◇                                  │
                         │                                       │
                        Yes                                      │
                         ▼                                       │
              ┌────────────────────┐                            │
              │  Update Table Roles │                            │
              └──────────┬─────────┘                            │
                         │                                       │
                         ▼                                       │
              ┌────────────────────┐                            │
              │ Print "Update       │                            │
              │ success"            │                            │
              └──────────┬─────────┘                            │
                         │                                       │
                         ▼                                       │
                    ┌──────────┐                                 │
                    │   END    │◀────────────────────────────────┘
                    └──────────┘
```
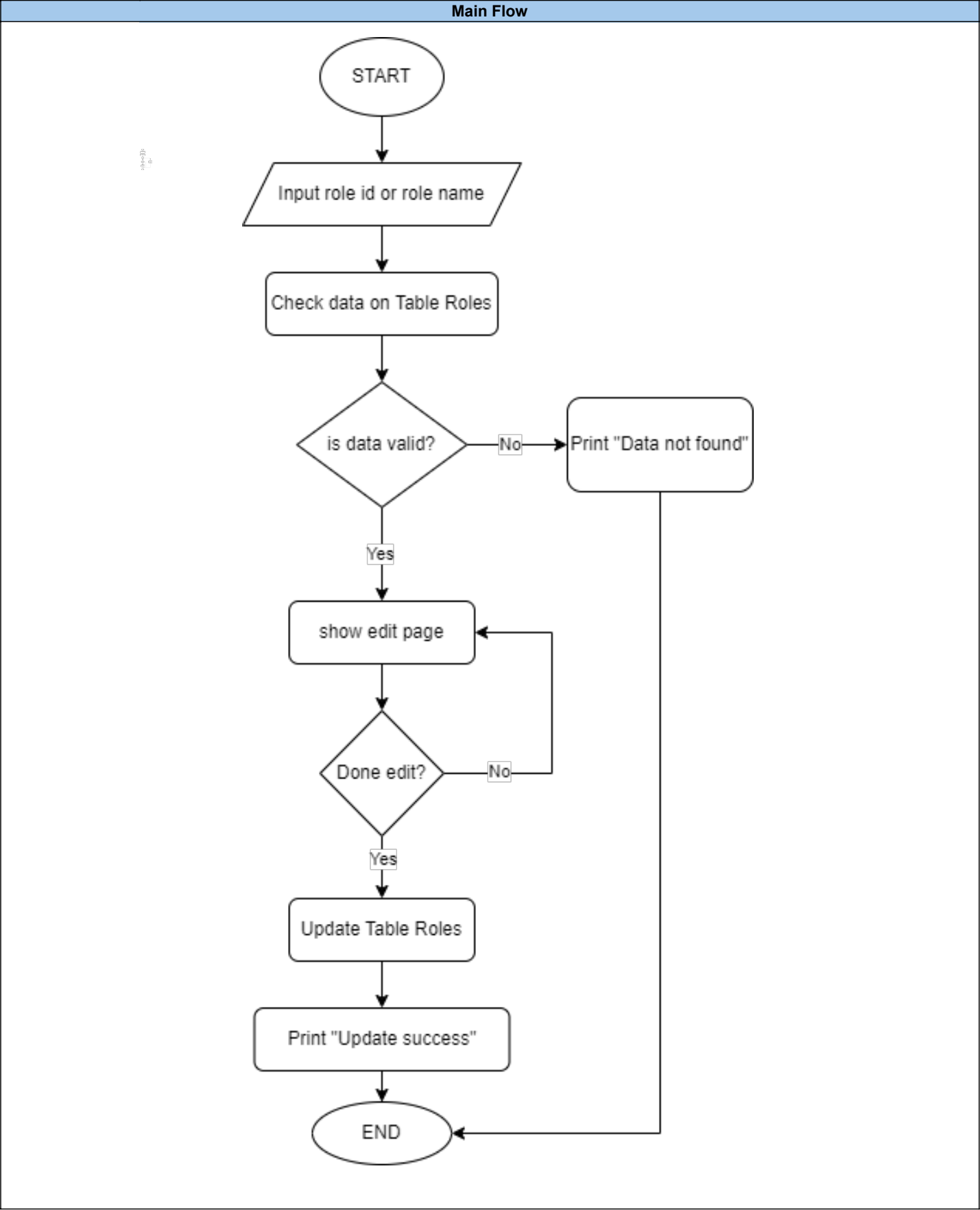
3.2.21. SD-024

Document Id	SD-024
Name	usp_delete_data_role
Owner	ACT001
Description	Digunakan untuk menghapus Data Role
Properties	id

Main Flow
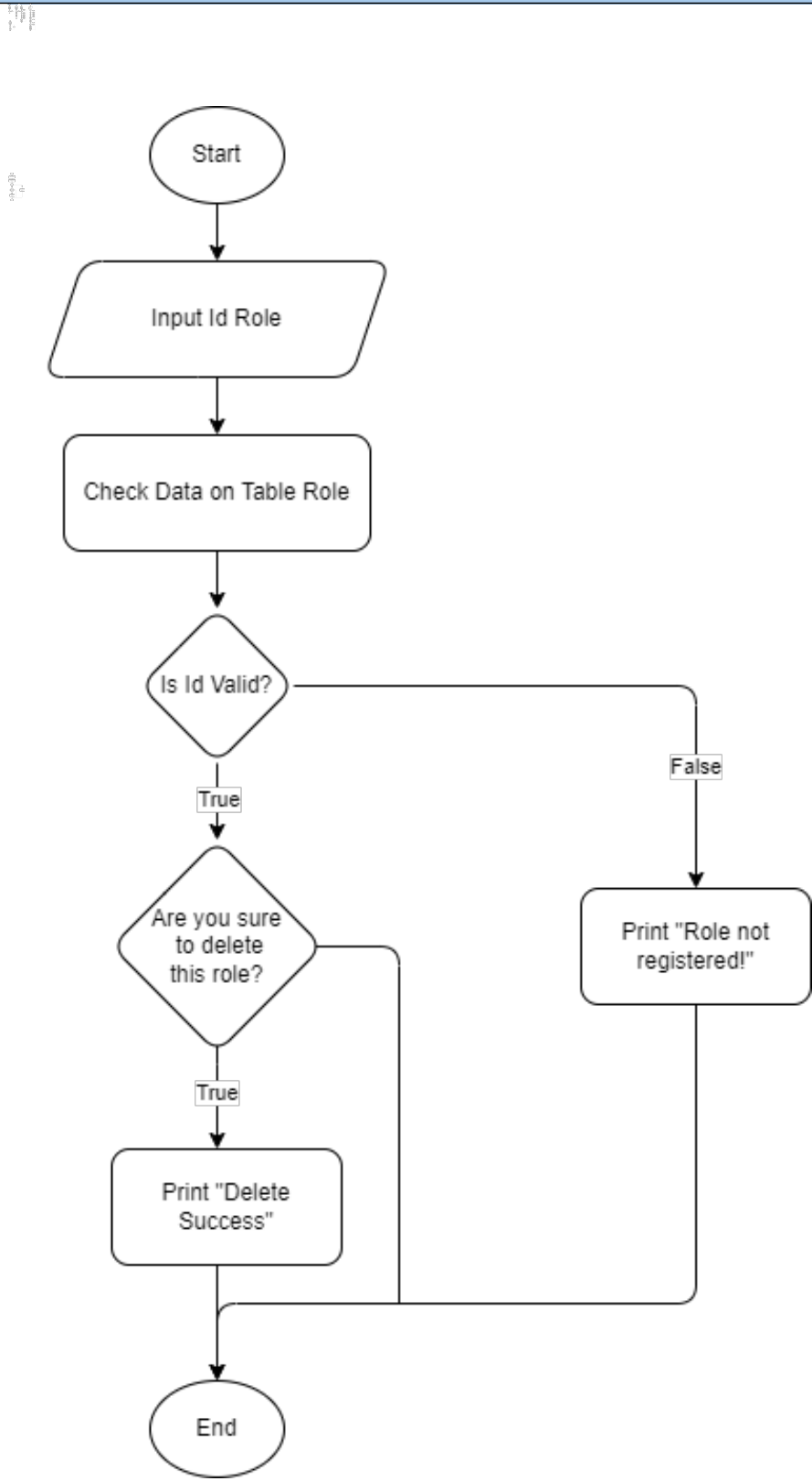
3.2.22. SD-025

Document Id	SD 025
Name	add permission
Owner	ACT001, ACT002
Description	Digunakan untuk menambah permission
Properties	id
	name
Main Flow	
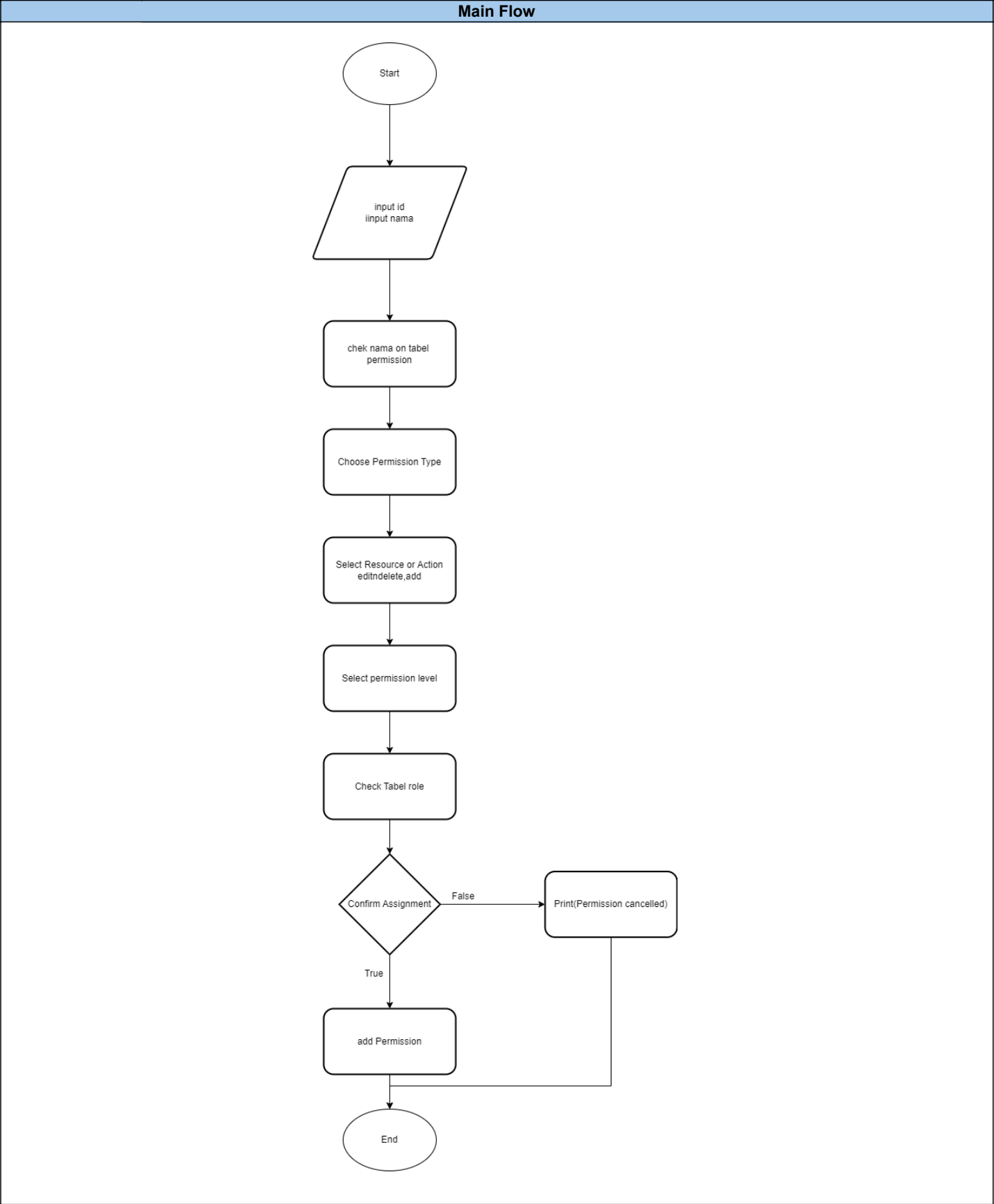
3.2.23.   SD-026

Document Id	SD 026
Name	edit permission
Owner	ACT001, ACT002
Description	Digunakan untuk menedit permission
Properties	id
	name
Main Flow	
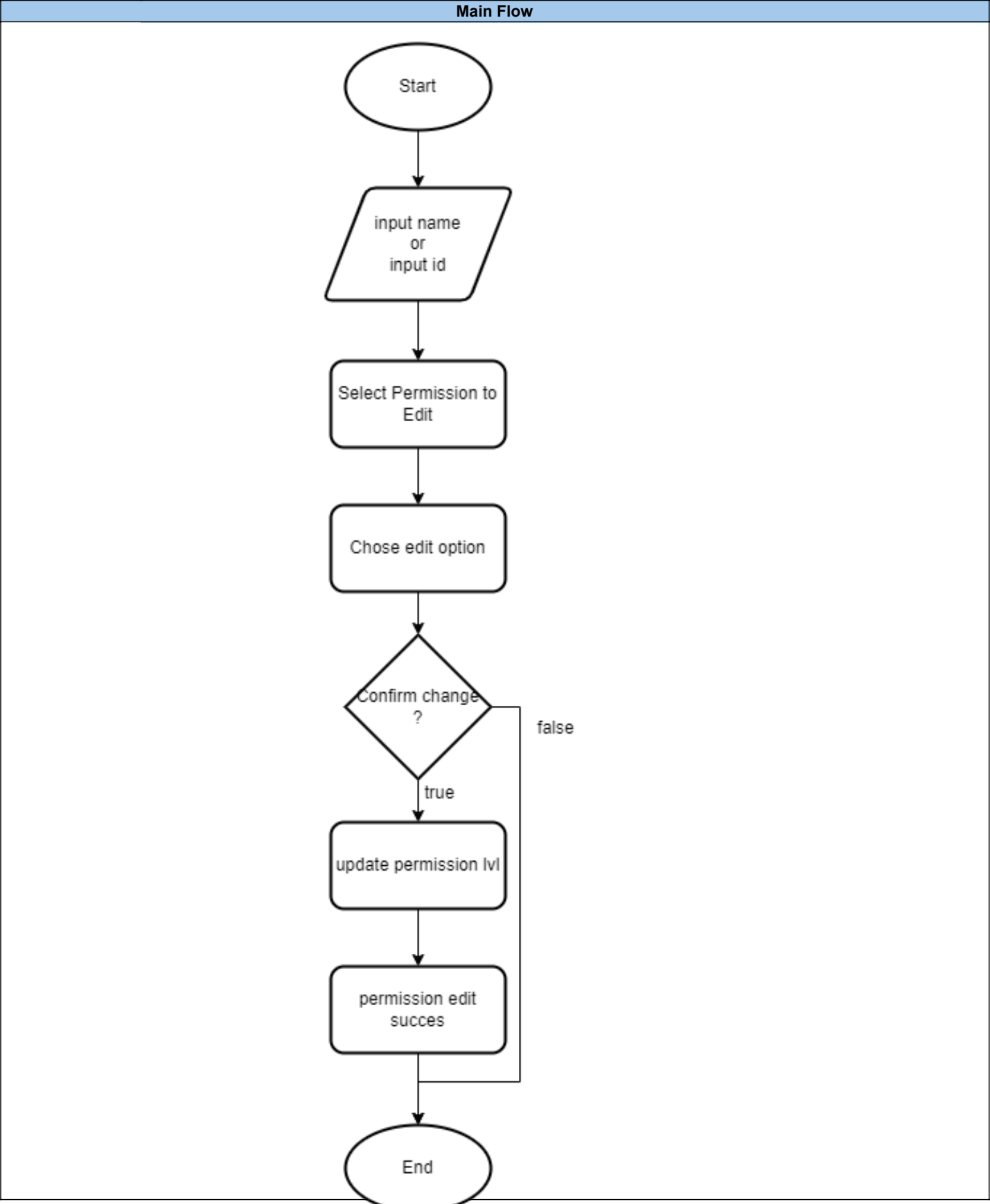
3.2.24. **SD-027**

Document Id	SD 027
Name	delete permission
Owner	ACT001, ACT002
Description	Digunakan untuk menghapus permission
Properties	id
	name

Main Flow

Start

input name or id

select permission

comfirm delete

false

True

Update permission record

Permission Deletion Successful

End
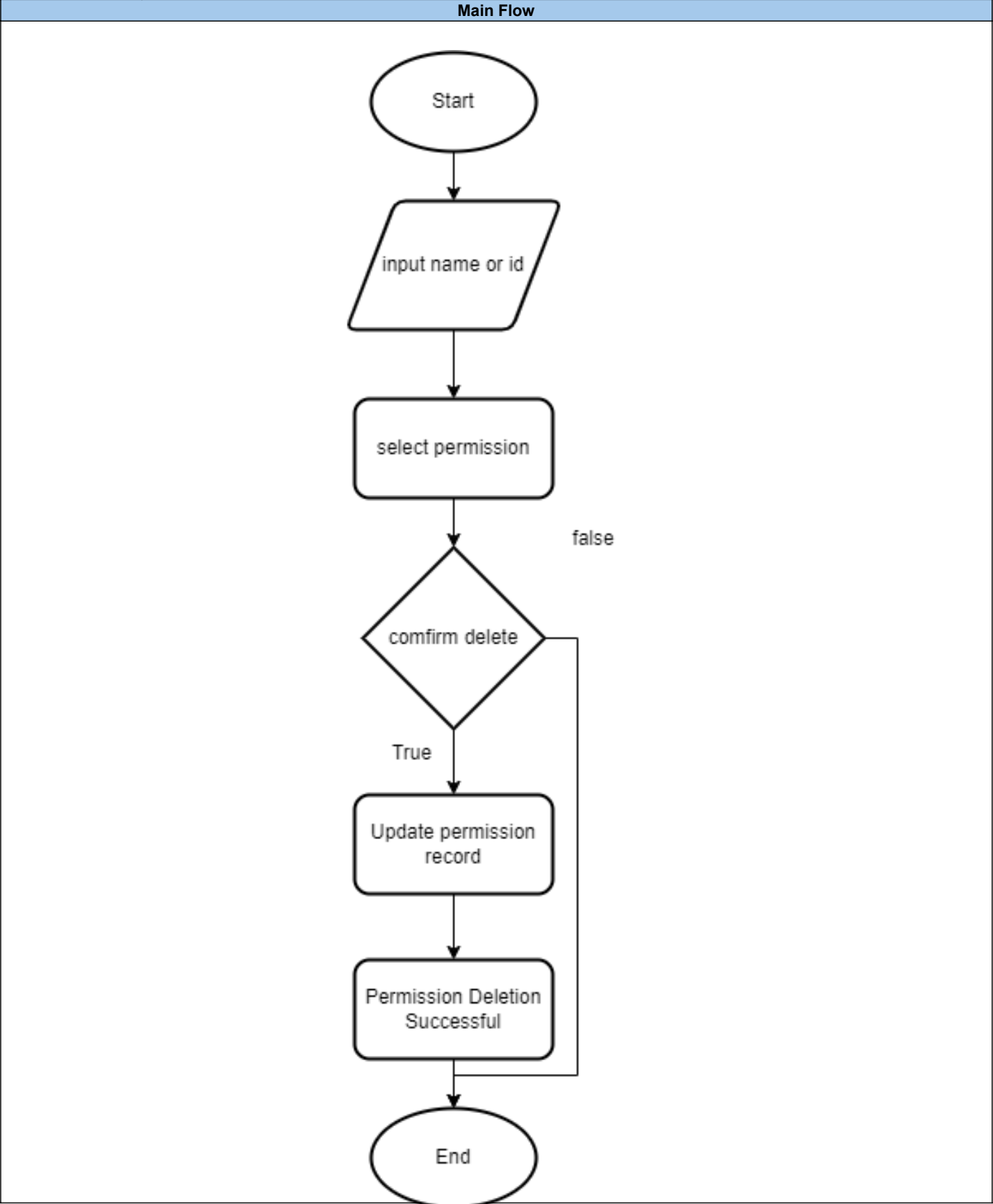
3.1. General Supporting Document

3.1.1.   SD-001

Document Id	SD-001
Name	usp_login
Owner	ACT001, ACT002, ACT003, ACT004
Description	Digunakan untuk masuk kedalam sistem Employee Management System
Properties	Email
	Username
	Password
Main Flow	
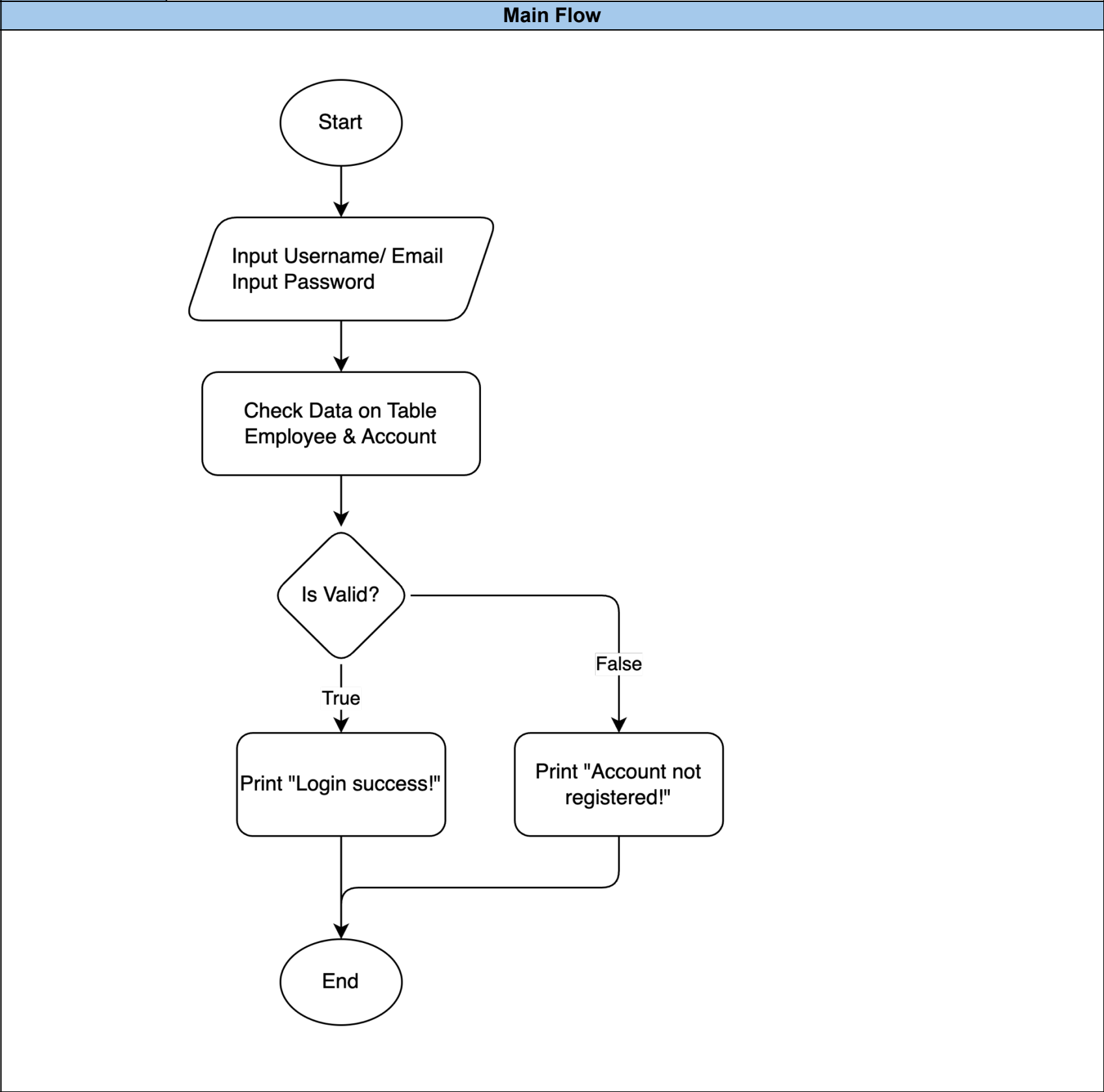
Document Id	SD-002
Name	usp_forgot_password
Owner	ACT001, ACT002, ACT003, ACT004
Description	Digunakan untuk membuat password baru ketika user lupa password
Properties	Email
	New Password
	Confirm Password
	Otp

Main Flow

Document Id	SD-003	
Name	usp_generate_otp	
Owner	ACT001, ACT002, ACT003, ACT004	
Description	Digunakan untuk membuat password baru ketika user lupa password	
Properties	Email	
Main Flow		

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
                   ╱──────────────╲
                  │  Input Email   │
                   ╲──────────────╱
                         │
                         ▼
                 ┌─────────────────┐
                 │ Check Data on   │
                 │ Table Employee  │
                 └─────────────────┘
                         │
                         ▼
                    ╱─────────╲
                   ╱ Is Email  ╲──────────────── False
                   ╲  Valid?   ╱                    │
                    ╲─────────╱                     │
                         │                          │
                       True                         │
                         │                          ▼
                         ▼                 ┌──────────────────┐
                 ┌───────────────┐         │ Print "Account   │
                 │ Generate Otp  │         │ not registered!" │
                 └───────────────┘         └──────────────────┘
                         │                          │
                         ▼                          │
                 ┌───────────────────┐              │
                 │ Update Table      │              │
                 │ Account with      │              │
                 │ Generated Otp     │              │
                 └───────────────────┘              │
                         │                          │
                         ▼                          │
                 ┌───────────────────┐              │
                 │ Update Table      │              │
                 │ Account with      │              │
                 │ is_used to false  │              │
                 └───────────────────┘              │
                         │                          │
                         ▼                          │
                 ┌───────────────────┐              │
                 │ Update Table      │              │
                 │ Account with      │              │
                 │ expired_time to   │              │
                 │ add 10 minutes    │              │
                 └───────────────────┘              │
                         │                          │
                         ▼                          │
                 ┌───────────────┐                  │
                 │  Print Otp    │                  │
                 └───────────────┘                  │
                         │                          │
                         ▼◄─────────────────────────┘
                    ┌─────────┐
                    │   End   │
                    └─────────┘
```

3.1.3.