DINING HALL SUBSHIFT MANAGEMENT SYSTEM
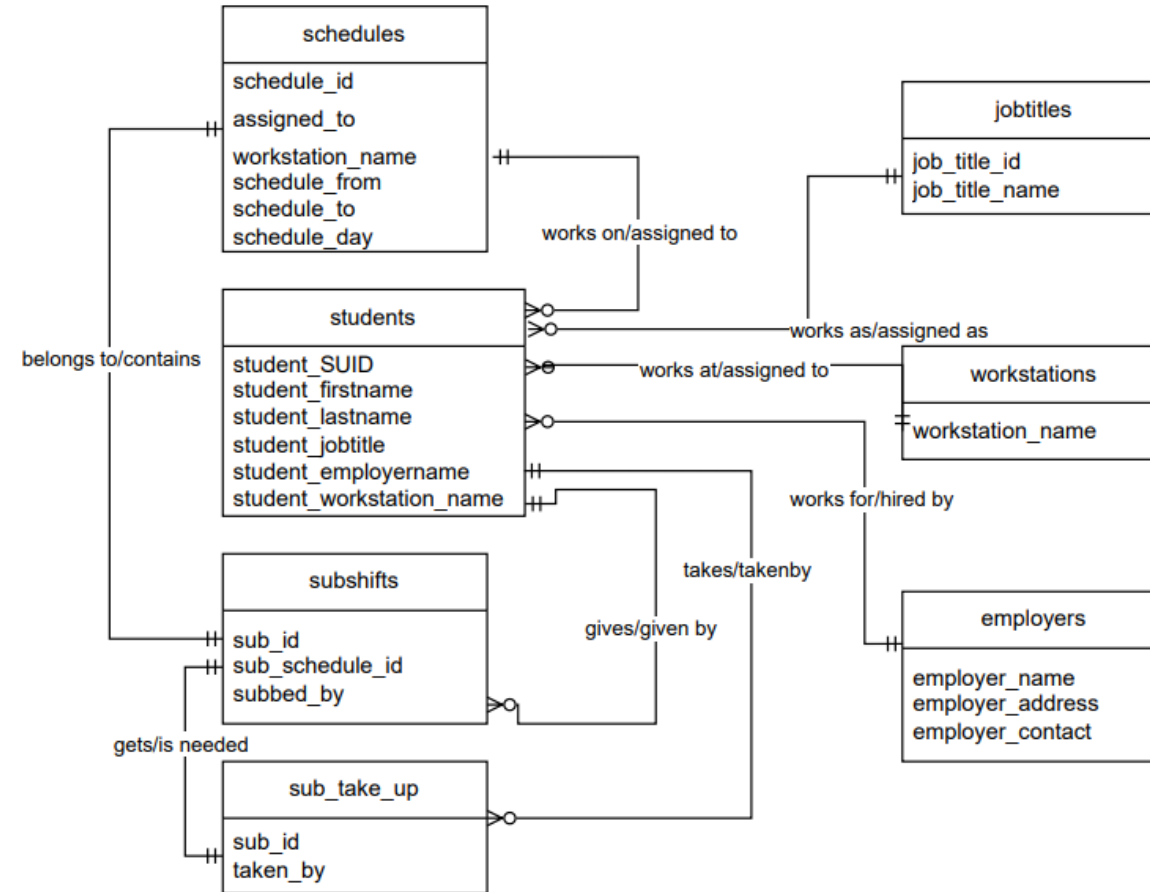
BASTIN BAJIYO JOB

IST659

Overview

- To create a database solution for the subshift management at dining halls

- Prevent shift theft and implement a failproof management system.

- Employees can substitute their shifts into a database.

- Others can take this shift up – deleted once taken up
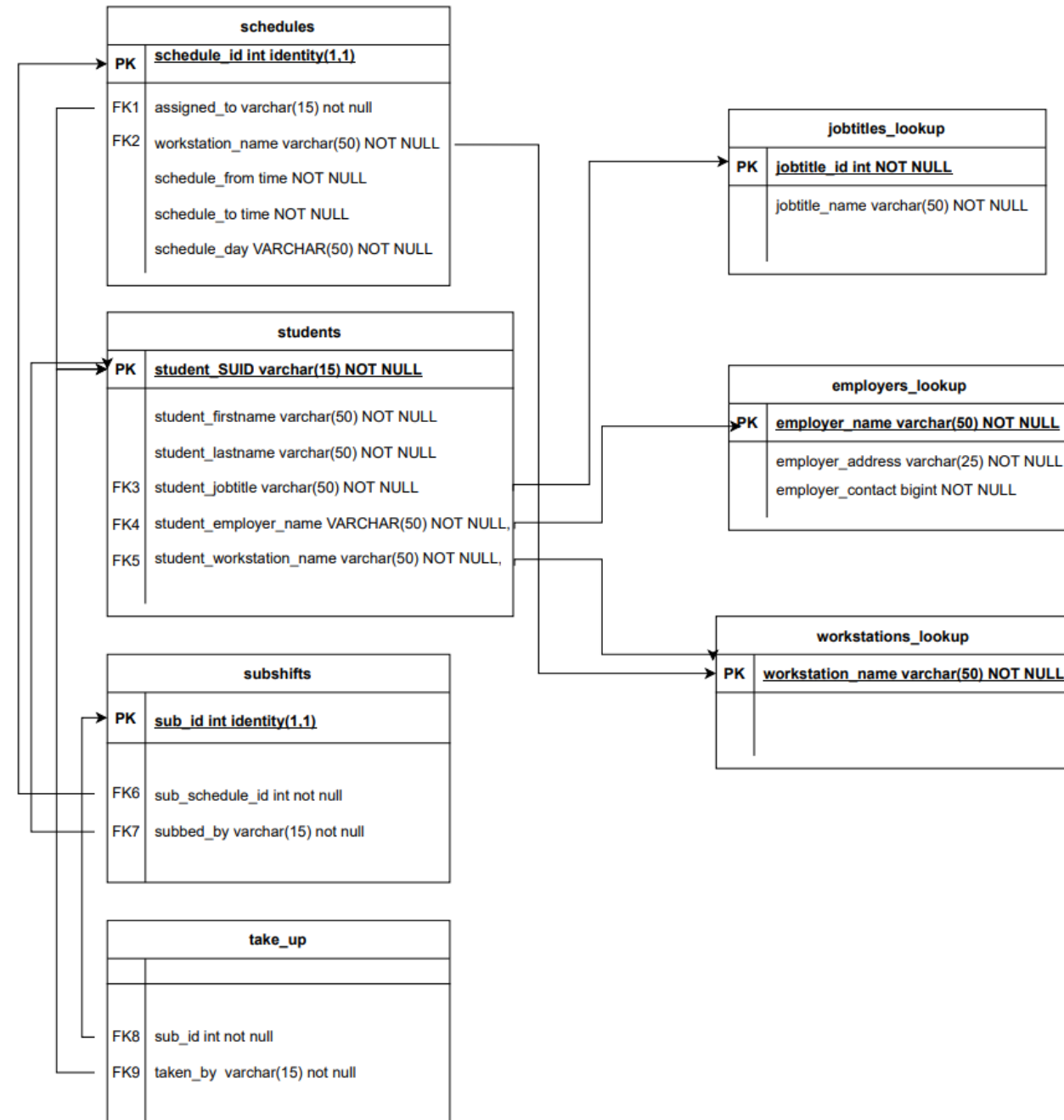
- No room for foul play/ discrepancies

Project Procedure

- A well structured database was created with all relevant details of dining halls, employers, student employees and schedules.

- Rather than focusing too much on one utility, this project was done with concrete base tables and data, which is useful to build other applications as well.

- A total to 7 tables of appropriate data entities were used

- The data base was finally tied to an interactive application which can be directly used by the employees
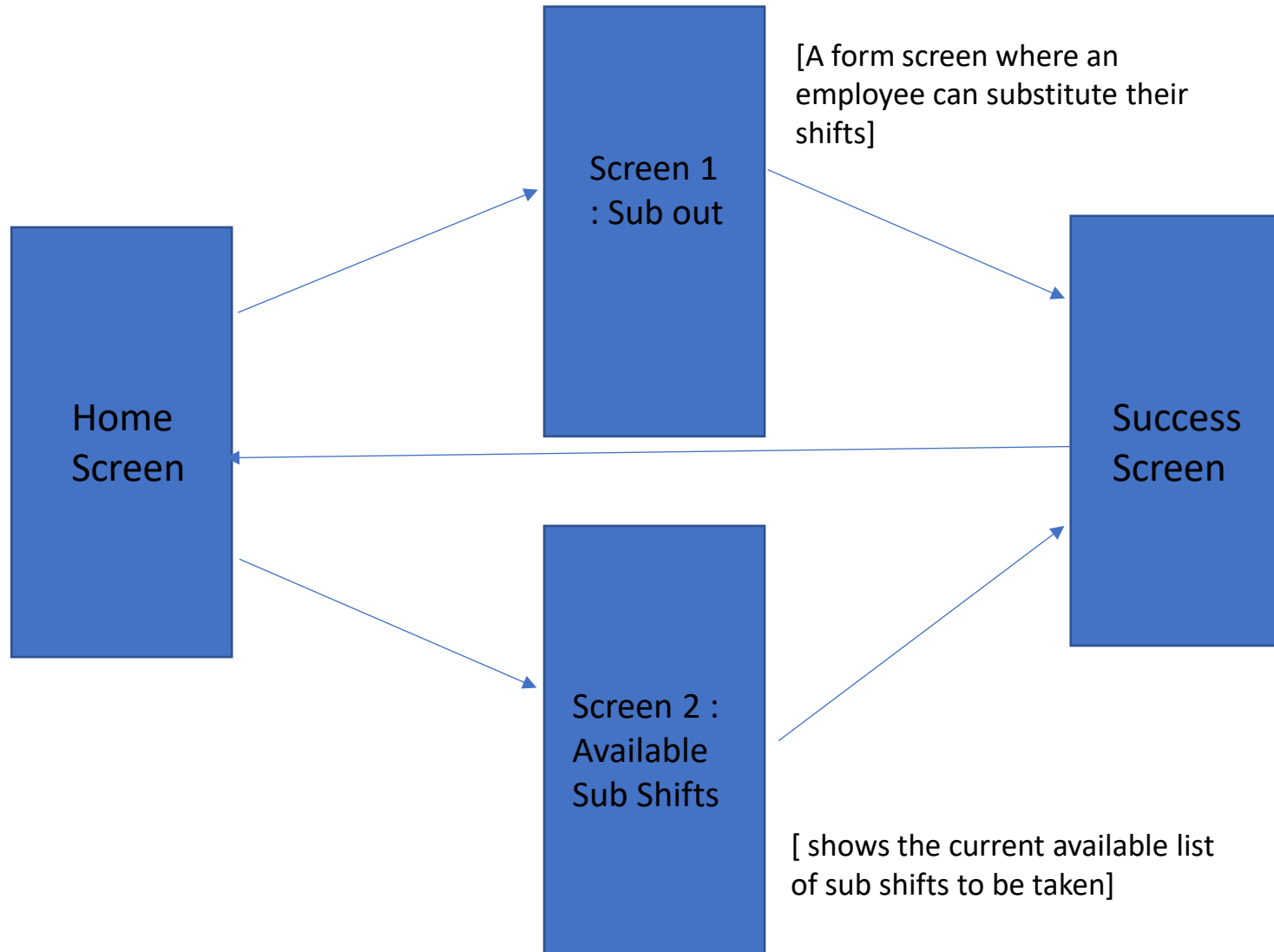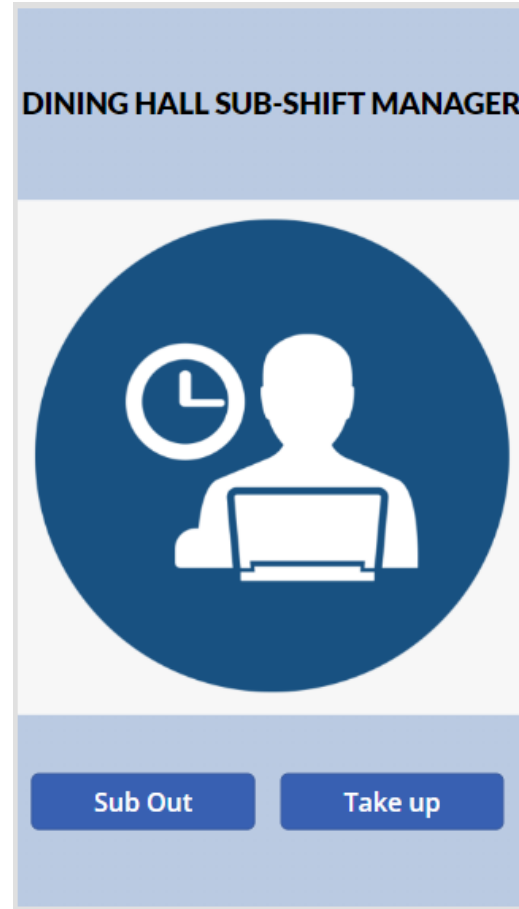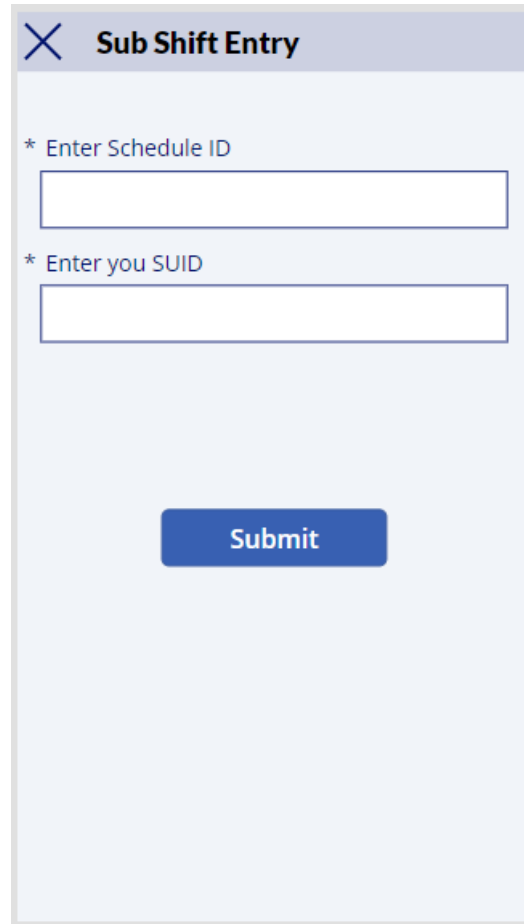
Conceptual Model

Logical Model

schedules

PK	schedule_id int identity(1,1)
FK1	assigned_to varchar(15) not null
FK2	workstation_name varchar(50) NOT NULL
	schedule_from time NOT NULL
	schedule_to time NOT NULL
	schedule_day VARCHAR(50) NOT NULL

jobtitles_lookup

PK	jobtitle_id int NOT NULL
	jobtitle_name varchar(50) NOT NULL

students

PK	student_SUID varchar(15) NOT NULL
	student_firstname varchar(50) NOT NULL
	student_lastname varchar(50) NOT NULL
FK3	student_jobtitle varchar(50) NOT NULL
FK4	student_employer_name VARCHAR(50) NOT NULL,
FK5	student_workstation_name varchar(50) NOT NULL,

employers_lookup

PK	employer_name varchar(50) NOT NULL
	employer_address varchar(25) NOT NULL
	employer_contact bigint NOT NULL

workstations_lookup

PK	workstation_name varchar(50) NOT NULL

subshifts

PK	sub_id int identity(1,1)
FK6	sub_schedule_id int not null
FK7	subbed_by varchar(15) not null

take_up

FK8	sub_id int not null
FK9	taken_by varchar(15) not null

Basic Layout of application Screens

Actual application screens

Home Screen

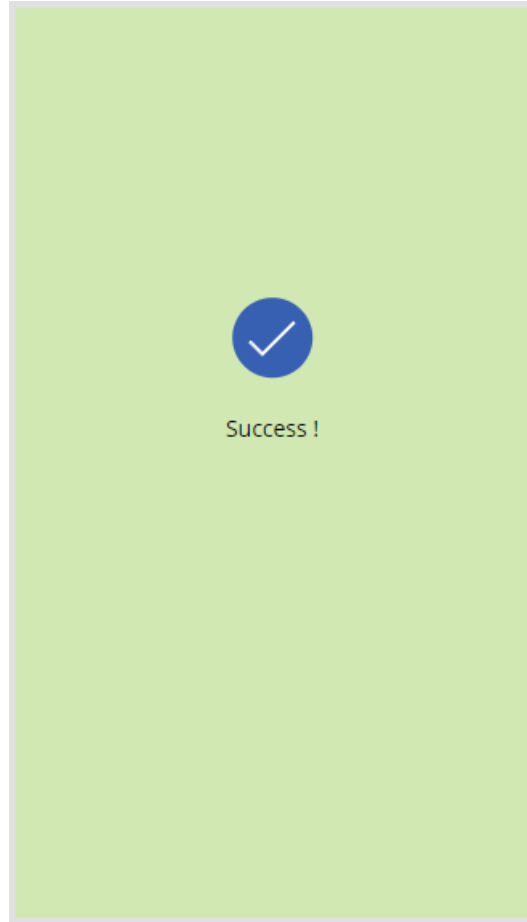# Actual application screens

- Screen 1: Subout

Actual application screens

- Screen2: Available sub shifts

Actual application screens

- Success Screen

Thank You !