# Campus Travel Planner

## The Steps Taken to Assign a Bus:

### Step 1:

The Timetabling (TT) writes to the CODs (Chairs of departments.) asking if there are any trips from their departments at the beginning of the semester.

### Step 2:

The CODs write to TT in response to step 1 above and in the response, they must indicate the following:

* Place of visit
* The budget
* The Purpose of the Visit
* Unit involved
* Date of visit

### Step 3:

The director TT compiles provisional Trips TT to DVC AA (Deputy vice chancellor of Academic Affairs) who approves.

### Step 4:

After approval, the Director TT (Time Tabling) compiles the list.

### Step 5:

The director of Timetabling advices the Transport Manager to provide vehicles on the said date.

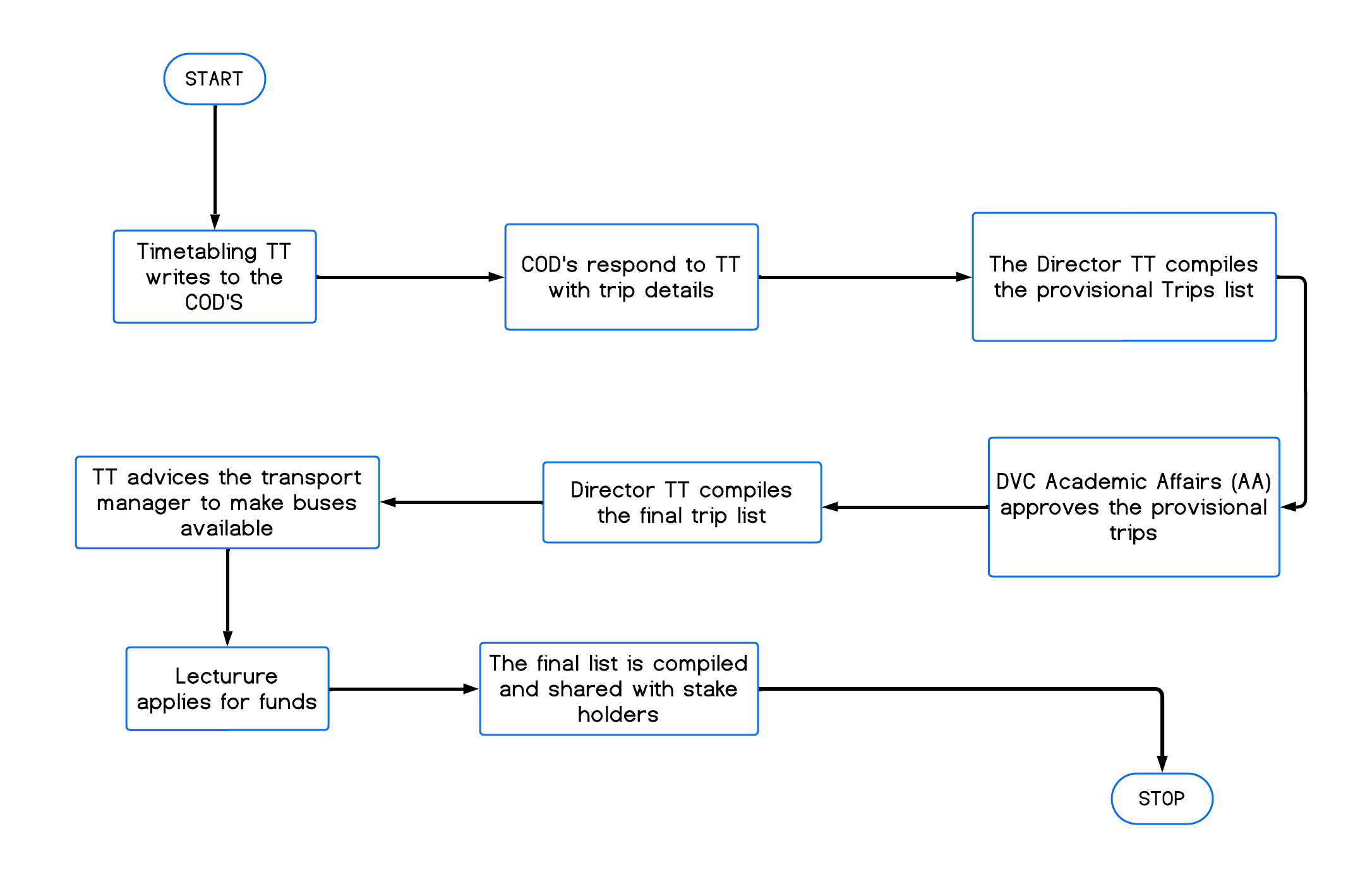
### Step 6:

Lectures apply for funds from the DVC AA.

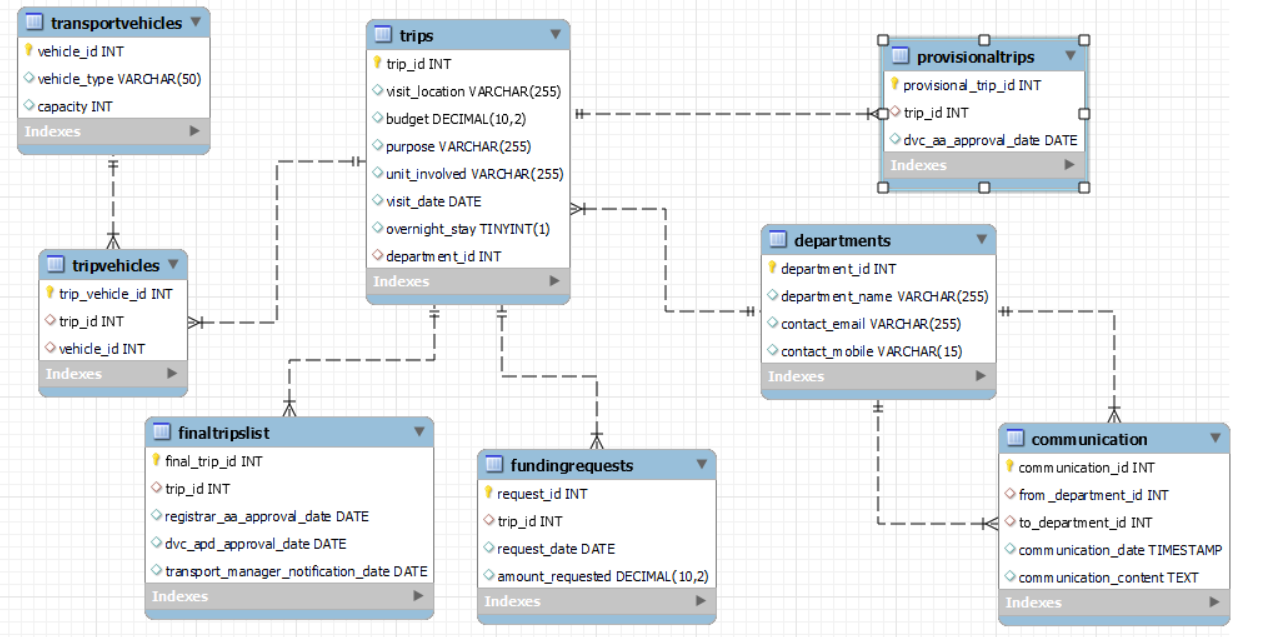
### Step 7:

The final list is copied/shared with Registrar AA, DVC APD (Deputy Vice Chancellor Administration Planning and Development.) all CODs, and the Transport manager.

## The Process Flowchart



## Schema for the database:



## Forms and Reports:

### HTML Forms for Data Input:

1. Form to add a new department.
2. Form to add a new trip.
3. Form to add a new provisional trip.
4. Form to add a new transport vehicle.
5. Form to add a new trip vehicle.
6. Form to add a new funding request.
7. Form to add a new final trip list record.
8. Form to add a new communication record.

### HTML Pages for Reports:

Based on the analysis of the campus travel planning system here are the relevant reports that can be generated:

1. Department-wise Trip Summary:

* This report provides a summary of trips for each department.
* It includes the department name, total number of trips, total budget allocated, and average budget per trip.
* Data can be pulled from the **Departments** and **Trips** tables.

1. Upcoming Trips Overview:

* This report displays a list of upcoming trips along with their details such as visit location, date, and purpose.
* It includes information about the department and the approval status of the trip.
* Data can be pulled from the **Trips** and **ProvisionalTrips** tables.

1. Transportation Utilization Report:

* This report shows the utilization of different types of transport vehicles.
* It includes information about the number of trips each vehicle has been assigned to and the total capacity utilized.
* Data can be pulled from the **TransportVehicles** and **TripVehicles** tables.

1. Funding Requests Summary:

* This report provides a summary of funding requests made by departments.
* It includes the total number of requests, total amount requested, and average amount per request.
* Data can be pulled from the **FundingRequests** table.

1. Communication Log:

* This report displays a log of communications between departments regarding trip planning.
* It includes details such as the communication date, sender department, receiver department, and the content of the communication.
* Data can be pulled from the **Communication** table.

1. Approval Workflow Overview:

* This report shows an overview of the approval workflow for trips.
* It includes information about which trips have been approved by the DVC AA and the current status of each trip in the approval process.
* Data can be pulled from the **ProvisionalTrips** and **FinalTripsLis**t tables.