This version defines an interface for MODEL to store a bus record (interface BusRecord). When the user press the “delete” button in the SearchBusComponent, an event “deleteEvent” is fired. Together with this event, an object instance of BusRecord is sent to the AppComponent. The BusRecord stores the details (routeNumber, fare, startPoint, endpoint) of the bus record selected. The AppComponent then stores the BusRecord received from the event.

BusRecord.model.ts

* The BusRecord interface is added to app folder. (Look at the source yourself.)
* The interface is imported to the app.component.ts and search-bus.component.ts (note the pathnames in finding the interface)

SearchBusComponent

* A BusRecord object is added as a member variable of class SearchBusComponent.

busRecord: BusRecord = {

routeNumber: "",

fare: "",

startPoint: "",

endPoint: ""

}

* When a user clicks the “delete” button, the function deleteButtonHandler() is called.
* The function searches for the corresponding object in serverDataArr by matching the routeNumber. If found, the data items in the object are copied to the member variable busRecord.
* The member variable busRecord is sent to the AppComponent together with the event:

this.deleteEvent.emit(this.busRecord);

* Thus, the declaration of the EventEmitter is modified as:

@Output() deleteEvent = new EventEmitter<BusRecord>();

app.component.html

* To receive the BusRecord sent from a deleteEvent (emitted by SearchBusComponent), the html for loading the SearchBusComponent is modified as:

<app-search-bus searchType="By Route" (deleteEvent)="deleteEventReceiver($event)"></app-search-bus>

app.component.ts

* A BusRecord object is added as a member variable of class AppComponent.
* To receive the BusRecord sent from a deleteEvent (emitted by SearchBusComponent), the html for loading the app.component.ts is modified as:

deleteEventReceiver(busRecord: BusRecord) {

console.log("App: delete event received");

console.log("App: busRecord received from delete event:");

// save busRecord received from SearchBusComponent via event

this.busRecord = busRecord;

console.log("routeNumber: " + this.busRecord.routeNumber);

console.log("fare: " + this.busRecord.fare);

console.log("startPoint: " + this.busRecord.startPoint);

console.log("endPoint: " + this.busRecord.endPoint);

this.deleteEventTriggered = true;

}

* Note that data items in the BusRecord object received via the deleteEvent are copied to the member variable busRecord for storage.