

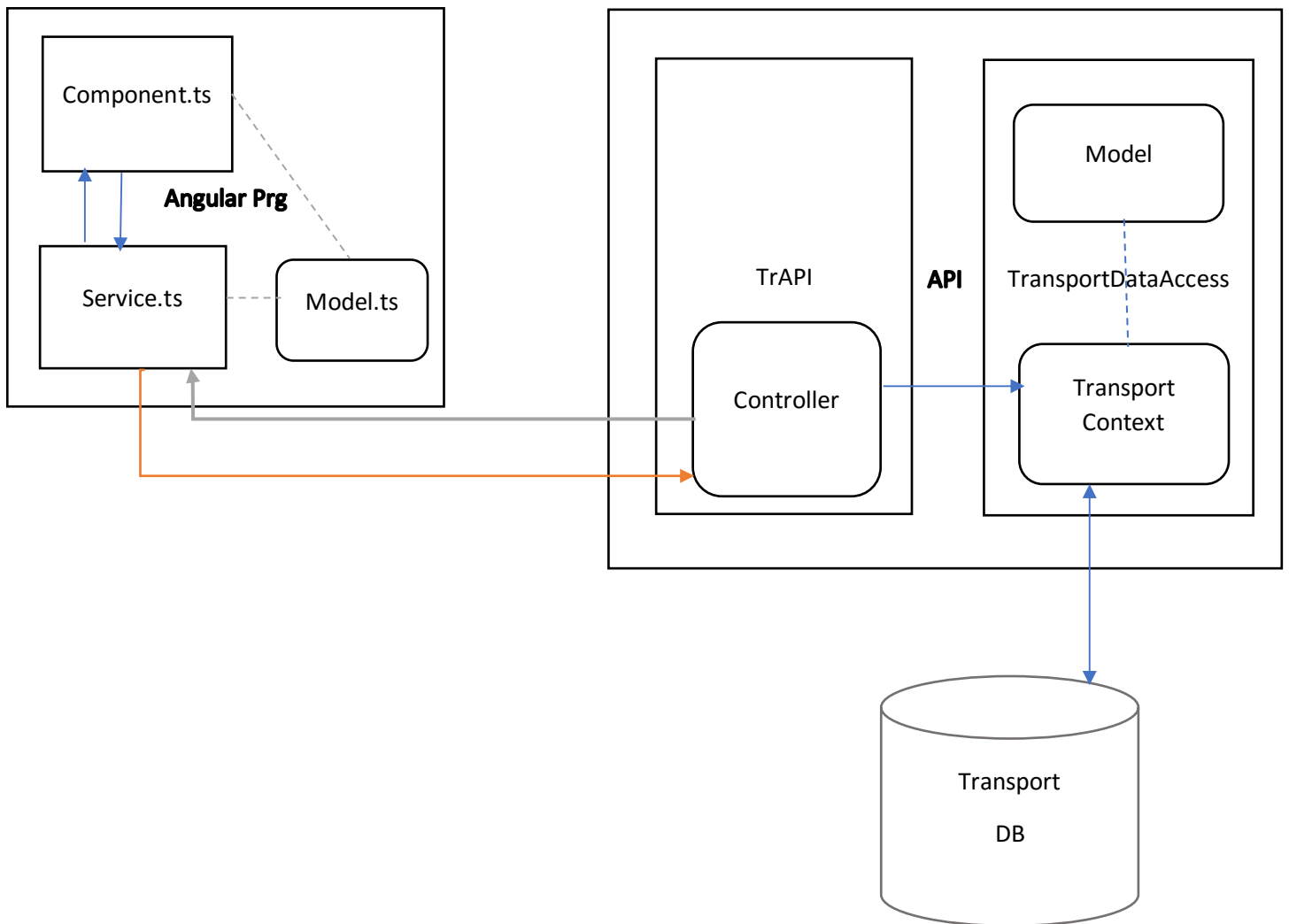
Transport

Application contains two projects

1. API (.Net core)
2. Client project (Angular)

API includes two projects (TransportDataAccess , TrAPI)

Process



How Application works.

Process contains 5 steps.

1. Login
2. Create a transport request
3. Approve by Manager
4. Approve by Transport Division
5. Vehicle Allocation

[Login](#)

[Login](#) [Create Request](#) [Manager Approval](#) [Divisional Approval](#) [Vehicle Allocation](#)

Login

Username

Each login needs to own separate permission levels to enter the system , otherwise it'll redirect to 'accessDenied page'.

There are 3 permission levels declared in the system.

PermissionLevelId	PermissionLevelDesc
1	User Level Access
2	Manager Level Access
3	Division Level Access

Logins with 'User Level Access' can only create a request.

Logins with 'Manager Level Access' can create a request, View pending authorization requests and approve or reject those requests.

Logins with 'Manager Level Access' can create a request, View pending authorization requests and approve or reject those requests.

Logins with 'Division Level Access' can create a request, View pending authorization requests which were accepted by the manager and approve or reject those requests.

Every table in the DB ends with following table columns

StatusId	int	<input checked="" type="checkbox"/>
CreatedDate	datetime	<input checked="" type="checkbox"/>
CreatedUserId	int	<input checked="" type="checkbox"/>
ModifiedDate	datetime	<input checked="" type="checkbox"/>
ModifiedUserId	int	<input checked="" type="checkbox"/>

Status represent where the table record is in active state or inactive state,

CreatedDate and CreatedUserId filled in an insertion operation and ModifiedDate ,ModifiedUserId filled if there is an updation.

StatusId	StatusDesc
1	Active
3	Inactive/Deleted
NULL	NULL

[Create Transport Request](#)

Login Create Request Manager Approval Divisional Approval Vehicle Allocation

Request

Needed Date Time :
Return Date Time :
Purpose :
Purpose Desc :

Select Purpose

ui-btn

Once the login is success system automatically directs you to Create Request page.

System already contains predefined purposes to add to the request , and given the opportunity to add custom purposes also.

Select Purpose

ui-btn

- Other
- Training
- Meeting

Select other option and type the purpose in below text box.

Once submit, request will insert to DB with request Approval status = 1.

RequestAppro...	ApprovalStatus
1	Pending Approval
2	Pending Division Approval
3	Division Approved
4	Manager Rejected
5	Division Rejected
6	User Cancelled
7	Vehicle Allocated

[Approve by Manager](#)

Manager Approval

	Request No	Needed Date Time	Return Date Time	Purpose	Created Date	User
<input type="checkbox"/>	29	2018-09-04T04:17:55	2018-09-05T04:18:00	Meeting@2:00	2018-09-02T04:18:13.973	Mayura Manahara

Approve

Reject

All the pending approval request will show on above grid , manager can select one or more from the grid and perform approve or reject operation.

[Approve by Transport Division](#)

Transport Division Approval

	Request No	Needed Date Time	Return Date Time	Purpose	Created Date	User
<input type="checkbox"/>	29	2018-09-04T04:17:55	2018-09-05T04:18:00	Meeting@2:00	2018-09-02T04:18:13.973	Mayura Manahara

Approve

Reject

Similar to manager approval operation.

[Vehicle Allocation \(1\)](#)

Request Vehicle Allocation

	Request No	Needed Date Time	Return Date Time	Purpose	Created Date	User
<input type="checkbox"/>	29	2018-09-04T04:17:55	2018-09-05T04:18:00	Meeting@2:00	2018-09-02T04:18:13.973	Mayura Manahara

Select Vehicle Category

Select Vehicle

My Allocated Vehicle Requests

Request No	Requested Date Time	Needed Date Time	Return Date Time	Approval Status	Purpose	Vehicle No	Vehicle Category	Requested User
------------	---------------------	------------------	------------------	-----------------	---------	------------	------------------	----------------

Divisional approved requests will be displayed on the first grid and Division User(with division level access) can allocate a vehicle to the request,

First select the vehicle category and then select the vehicle no.

One or more requests can be allocated to a one vehicle.

[Allocated Vehicle Requests \(2\)](#)

Request(s) Allocated successfully.

- Request(s) Allocated successfully.

My Allocated Vehicle Requests

Request No	Requested Date Time	Needed Date Time	Return Date Time	Approval Status	Purpose	Vehicle No	Vehicle Category	Requested User
29	2018-09-02T04:18:13.973	2018-09-04T04:17:55	2018-09-05T04:18:00	Vehicle Allocated	Meeting@2:00	KW-6754	Car	Mayura Manahara

In same page 2nd grid shows logged in user's previous allocated vehicle requests. (grid data derives from a view in the Transport DB)