**Spring Boot Rest API**

**EnumCode or MasterData or DropDown API:**

**Entity:**

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

**import** lombok.Data;

**import** lombok.NoArgsConstructor;

@Data

@NoArgsConstructor

@Entity

@Table(name = "enum\_info")

**public** **class** EnumMaster {

@Id

@GeneratedValue(strategy = GenerationType.***AUTO***)

@Column(name = "enum\_id")

**private** Long id;

@Column(name = "enum\_code")

**private** String enumCode;

@Column(name = "enum\_description")

**private** String enumDescription;

@Column(name = "enum\_type")

**private** String enumTypeId;

**public** EnumMaster(Long id, String enumCode, String enumDescription, String enumTypeId) {

**this**.id = id;

**this**.enumCode = enumCode;

**this**.enumDescription = enumDescription;

**this**.enumTypeId = enumTypeId;

}

}

**Dto:**

**import** lombok.AllArgsConstructor;

**import** lombok.Data;

**import** lombok.NoArgsConstructor;

@Data

@AllArgsConstructor

@NoArgsConstructor

**public** **class** EnumMasterDTO {

**private** Long id;

**private** String enumCode;

**private** String enumDescription;

**private** String enumTypeId;

}

**Repository:**

@Query("SELECT e from EnumMaster e where LOWER(e.enumTypeId)=:enumType")

List<EnumMaster> fetchMasterDataByType(@Param("enumType") String enumType);

**Service:**

List<EnumMasterDTO> getMasterData(String enumType);

**ServiceImpl:**

**import** java.util.List;

**import** org.modelmapper.ModelMapper;

**import** org.modelmapper.TypeToken;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Service;

**import** com.mouritech.onlineflightticketbookingapplication.dto.EnumMasterDTO;

**import** com.mouritech.onlineflightticketbookingapplication.entity.EnumMaster;

**import** com.mouritech.onlineflightticketbookingapplication.repository.EnumRepository;

@Service

**public** **class** MetaDataRestTemplateServiceImpl **implements** MasterDataRestTemplateService {

**private** ModelMapper modelMapper = **new** ModelMapper();

@Autowired

EnumRepository enumRepository;

@Override

**public** List<EnumMasterDTO> getMasterData(String enumType) {

List<EnumMaster> enumRecord = enumRepository.fetchMasterDataByType(enumType);

**if**(!enumRecord.isEmpty()) {

List<EnumMasterDTO> adminUserDTO = modelMapper.map(enumRecord, **new** TypeToken<List<EnumMasterDTO>>() {

}.getType());

**return** adminUserDTO;

}

**return** **null**;

}

}

**Controller:**

**import org. import java.util.List;**

**springframework.beans.factory.annotation.Autowired;**

**import org.springframework.web.bind.annotation.CrossOrigin;**

**import org.springframework.web.bind.annotation.GetMapping;**

**import org.springframework.web.bind.annotation.PathVariable;**

**import org.springframework.web.bind.annotation.RequestMapping;**

**import org.springframework.web.bind.annotation.RestController;**

**import com.mouritech.onlineflightticketbookingapplication.dto.EnumMasterDTO;**

**import com.mouritech.onlineflightticketbookingapplication.dto.LocationDto;**

**import com.mouritech.onlineflightticketbookingapplication.service.MasterDataRestTemplateService;**

**import io.swagger.annotations.ApiOperation;**

**@RestController // (@Controller + @ResponseBody)**

**@CrossOrigin(origins = "http://localhost:4200")**

**@RequestMapping("masterdata/api/v1")**

**public class MetaDataController {**

**@Autowired**

**private MasterDataRestTemplateService masterDataRestTemplateService;**

**@ApiOperation(value = "getMasterData", notes = "Getting Master data")**

**@GetMapping("/enum/{enumType}")**

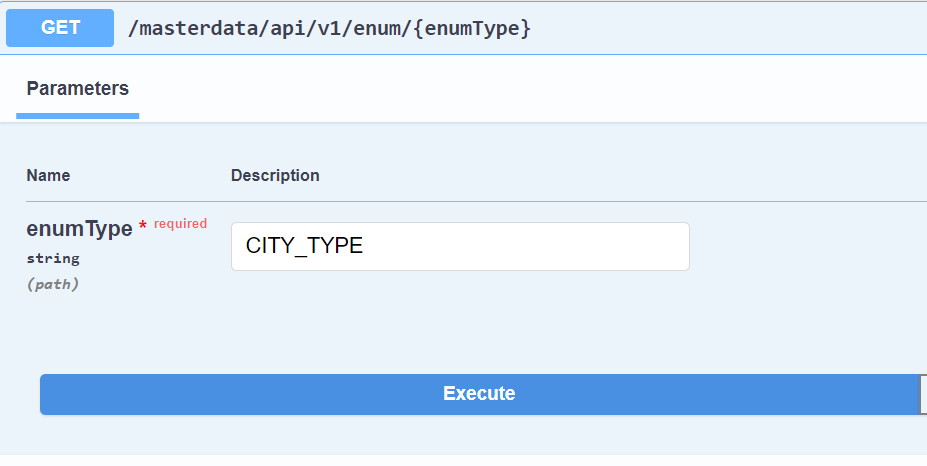
**public List<EnumMasterDTO> getAllLocations(@PathVariable("enumType") String enumType) {**

**return masterDataRestTemplateService.getMasterData(enumType.toLowerCase());**

**}**

**}**

**OutPut:**

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