public with sharing class CreateDefaultData{  
    Static Final String TYPE\_ROUTINE\_MAINTENANCE = 'Routine Maintenance';  
    //gets value from custom metadata How\_We\_Roll\_Settings\_\_mdt to know if Default data was created  
    @AuraEnabled  
    public static Boolean isDataCreated() {  
        How\_We\_Roll\_Settings\_\_c  customSetting = How\_We\_Roll\_Settings\_\_c.getOrgDefaults();  
        return customSetting.Is\_Data\_Created\_\_c;  
    }   
      
    //creates Default Data for How We Roll application  
    @AuraEnabled  
    public static void createDefaultData(){  
        List<Vehicle\_\_c> vehicles = createVehicles();  
        List<Product2> equipment = createEquipment();  
        List<Case> maintenanceRequest = createMaintenanceRequest(vehicles);  
        List<Equipment\_Maintenance\_Item\_\_c> joinRecords = createJoinRecords(equipment, maintenanceRequest);  
  
        updateCustomSetting(true);  
    }  
  
  
    public static void updateCustomSetting(Boolean isDataCreated){  
        How\_We\_Roll\_Settings\_\_c  customSetting = How\_We\_Roll\_Settings\_\_c.getOrgDefaults();  
        customSetting.Is\_Data\_Created\_\_c = isDataCreated;  
        upsert customSetting;  
    }  
  
    public static List<Vehicle\_\_c> createVehicles(){  
        List<Vehicle\_\_c> vehicles = new List<Vehicle\_\_c>();  
        vehicles.add(new Vehicle\_\_c(Name = 'Toy Hauler RV', Air\_Conditioner\_\_c = true, Bathrooms\_\_c = 1, Bedrooms\_\_c = 1, Model\_\_c = 'Toy Hauler RV'));  
        vehicles.add(new Vehicle\_\_c(Name = 'Travel Trailer RV', Air\_Conditioner\_\_c = true, Bathrooms\_\_c = 2, Bedrooms\_\_c = 2, Model\_\_c = 'Travel Trailer RV'));  
        vehicles.add(new Vehicle\_\_c(Name = 'Teardrop Camper', Air\_Conditioner\_\_c = true, Bathrooms\_\_c = 1, Bedrooms\_\_c = 1, Model\_\_c = 'Teardrop Camper'));  
        vehicles.add(new Vehicle\_\_c(Name = 'Pop-Up Camper', Air\_Conditioner\_\_c = true, Bathrooms\_\_c = 1, Bedrooms\_\_c = 1, Model\_\_c = 'Pop-Up Camper'));  
        insert vehicles;  
        return vehicles;  
    }  
  
    public static List<Product2> createEquipment(){  
        List<Product2> equipments = new List<Product2>();  
        equipments.add(new Product2(Warehouse\_SKU\_\_c = '55d66226726b611100aaf741',name = 'Generator 1000 kW', Replacement\_Part\_\_c = true,Cost\_\_c = 100 ,Maintenance\_Cycle\_\_c = 100));  
        equipments.add(new Product2(name = 'Fuse 20B',Replacement\_Part\_\_c = true,Cost\_\_c = 1000, Maintenance\_Cycle\_\_c = 30  ));  
        equipments.add(new Product2(name = 'Breaker 13C',Replacement\_Part\_\_c = true,Cost\_\_c = 100  , Maintenance\_Cycle\_\_c = 15));  
        equipments.add(new Product2(name = 'UPS 20 VA',Replacement\_Part\_\_c = true,Cost\_\_c = 200  , Maintenance\_Cycle\_\_c = 60));  
        insert equipments;  
        return equipments;  
          
    }  
  
    public static List<Case> createMaintenanceRequest(List<Vehicle\_\_c> vehicles){  
        List<Case> maintenanceRequests = new List<Case>();  
        maintenanceRequests.add(new Case(Vehicle\_\_c = vehicles.get(1).Id, Type = TYPE\_ROUTINE\_MAINTENANCE, Date\_Reported\_\_c = Date.today()));  
        maintenanceRequests.add(new Case(Vehicle\_\_c = vehicles.get(2).Id, Type = TYPE\_ROUTINE\_MAINTENANCE, Date\_Reported\_\_c = Date.today()));  
        insert maintenanceRequests;  
        return maintenanceRequests;  
    }  
  
    public static List<Equipment\_Maintenance\_Item\_\_c> createJoinRecords(List<Product2> equipment, List<Case> maintenanceRequest){   
        List<Equipment\_Maintenance\_Item\_\_c> joinRecords = new List<Equipment\_Maintenance\_Item\_\_c>();  
        joinRecords.add(new Equipment\_Maintenance\_Item\_\_c(Equipment\_\_c = equipment.get(0).Id, Maintenance\_Request\_\_c = maintenanceRequest.get(0).Id));  
        joinRecords.add(new Equipment\_Maintenance\_Item\_\_c(Equipment\_\_c = equipment.get(1).Id, Maintenance\_Request\_\_c = maintenanceRequest.get(0).Id));  
        joinRecords.add(new Equipment\_Maintenance\_Item\_\_c(Equipment\_\_c = equipment.get(2).Id, Maintenance\_Request\_\_c = maintenanceRequest.get(0).Id));  
        joinRecords.add(new Equipment\_Maintenance\_Item\_\_c(Equipment\_\_c = equipment.get(0).Id, Maintenance\_Request\_\_c = maintenanceRequest.get(1).Id));  
        joinRecords.add(new Equipment\_Maintenance\_Item\_\_c(Equipment\_\_c = equipment.get(1).Id, Maintenance\_Request\_\_c = maintenanceRequest.get(1).Id));  
        joinRecords.add(new Equipment\_Maintenance\_Item\_\_c(Equipment\_\_c = equipment.get(2).Id, Maintenance\_Request\_\_c = maintenanceRequest.get(1).Id));  
        insert joinRecords;  
        return joinRecords;  
  
    }  
}