

# Hierarchy For All Packages

## Package Hierarchies:

com.mapmyjourney.backend, com.mapmyjourney.backend.config, com.mapmyjourney.backend.controller, com.mapmyjourney.backend.dto, com.mapmyjourney.backend.exception, com.mapmyjourney.backend.model, com.mapmyjourney.backend.model.enums, com.mapmyjourney.backend.repository, com.mapmyjourney.backend.security, com.mapmyjourney.backend.service

## Class Hierarchy

- [java.lang.Object](#) (implements java.io.Serializable)
  - [com.mapmyjourney.backend.dto.AddMemberRequestDTO](#)
  - [com.mapmyjourney.backend.BackendApplication](#)
  - [com.mapmyjourney.backend.dto.ChangeMemberRoleRequestDTO](#)
  - [com.mapmyjourney.backend.dto.CreateSplitRequestDTO](#)
  - [com.mapmyjourney.backend.security.CustomUserDetailsService](#) (implements org.springframework.security.core.userdetails.UserDetailsService)
  - [com.mapmyjourney.backend.dto.ErrorResponseDTO](#)
  - [com.mapmyjourney.backend.model.Expense](#)
  - [com.mapmyjourney.backend.controller.ExpenseController](#)
  - [com.mapmyjourney.backend.dto.ExpenseCreateRequestDTO](#)
  - [com.mapmyjourney.backend.dto.ExpenseDTO](#)
  - [com.mapmyjourney.backend.service.ExpenseService](#)
  - [com.mapmyjourney.backend.model.ExpenseSplit](#)
  - [com.mapmyjourney.backend.controller.ExpenseSplitController](#)
  - [com.mapmyjourney.backend.dto.ExpenseSplitDTO](#)
  - [com.mapmyjourney.backend.service.ExpenseSplitService](#)
  - [org.springframework.web.filter.GenericFilterBean](#) (implements org.springframework.beans.factory.BeanNameAware, org.springframework.beans.factory.DisposableBean, org.springframework.context.EnvironmentAware, org.springframework.core.env.EnvironmentCapable, jakarta.servlet.Filter, org.springframework.beans.factory.InitializingBean, org.springframework.web.context.ServletContextAware)
    - [org.springframework.web.filter.OncePerRequestFilter](#)
      - [com.mapmyjourney.backend.security.JwtAuthenticationFilter](#)
- [com.mapmyjourney.backend.config.GlobalExceptionHandler](#)
- [com.mapmyjourney.backend.security.JwtTokenProvider](#)
- [com.mapmyjourney.backend.dto.LoginRequestDTO](#)
- [com.mapmyjourney.backend.dto.LoginResponseDTO](#)
- [com.mapmyjourney.backend.config.OpenApiConfig](#)
- [com.mapmyjourney.backend.security.SecurityConfig](#)
- [java.lang.Throwable](#) (implements java.io.Serializable)
  - [java.lang.Exception](#)
    - [java.lang.RuntimeException](#)
      - [com.mapmyjourney.backend.exception.AccessDeniedException](#)
      - [com.mapmyjourney.backend.exception.DuplicateResourceException](#)
      - [com.mapmyjourney.backend.exception.ResourceNotFoundException](#)
      - [com.mapmyjourney.backend.exception.ValidationException](#)
- [com.mapmyjourney.backend.model.Trip](#)
- [com.mapmyjourney.backend.controller.TripController](#)
- [com.mapmyjourney.backend.dto.TripCreateRequestDTO](#)
- [com.mapmyjourney.backend.dto.TripDTO](#)
- [com.mapmyjourney.backend.model.TripMember](#)
- [com.mapmyjourney.backend.controller.TripMemberController](#)
- [com.mapmyjourney.backend.dto.TripMemberDTO](#)
- [com.mapmyjourney.backend.service.TripMemberService](#)
- [com.mapmyjourney.backend.service.TripService](#)
- [com.mapmyjourney.backend.model.User](#)
- [com.mapmyjourney.backend.controllerUserController](#)
- [com.mapmyjourney.backend.dto.UserCreateRequestDTO](#)
- [com.mapmyjourney.backend.dto.UserDTO](#)
- [com.mapmyjourney.backend.service.UserService](#)

## Interface Hierarchy

- [org.springframework.data.repository.query.QueryByExampleExecutor](#)<T>
  - [org.springframework.data.jpa.repository.JpaRepository](#)<T, ID> (also extends org.springframework.data.repository.ListCrudRepository<T, ID>, org.springframework.data.repository.ListPagingAndSortingRepository<T, ID>)
    - [com.mapmyjourney.backend.repository.ExpenseRepository](#)
    - [com.mapmyjourney.backend.repository.ExpenseSplitRepository](#)
    - [com.mapmyjourney.backend.repository.TripMemberRepository](#)
    - [com.mapmyjourney.backend.repository.TripRepository](#)
    - [com.mapmyjourney.backend.repository.UserRepository](#)
- [org.springframework.data.repository.Repository](#)<T, ID>
  - [org.springframework.data.repository.CrudRepository](#)<T, ID>
    - [org.springframework.data.repository.ListCrudRepository](#)<T, ID>
      - [org.springframework.data.jpa.repository.JpaRepository](#)<T, ID> (also extends org.springframework.data.repository.ListPagingAndSortingRepository<T, ID>, org.springframework.data.repository.query.QueryByExampleExecutor<T>)
        - [com.mapmyjourney.backend.repository.ExpenseRepository](#)
        - [com.mapmyjourney.backend.repository.ExpenseSplitRepository](#)
        - [com.mapmyjourney.backend.repository.TripMemberRepository](#)

- com.mapmyjourney.backend.repository.TripRepository
- com.mapmyjourney.backend.repository.UserRepository
- org.springframework.data.repository.PagingAndSortingRepository<T, ID>
  - org.springframework.data.repository.ListPagingAndSortingRepository<T, ID>
    - org.springframework.data.jpa.repository.JpaRepository<T, ID> (also extends org.springframework.data.repository.ListCrudRepository<T, ID>, org.springframework.data.repository.query.QueryByExampleExecutor<T>)
    - com.mapmyjourney.backend.repository.ExpenseRepository
    - com.mapmyjourney.backend.repository.ExpenseSplitRepository
    - com.mapmyjourney.backend.repository.TripMemberRepository
    - com.mapmyjourney.backend.repository.TripRepository
    - com.mapmyjourney.backend.repository.UserRepository

## Enum Class Hierarchy

- java.lang.Object
- java.lang.Enum<E> (implements java.lang.Comparable<T>, java.lang.constant.Constable, java.io.Serializable)
  - com.mapmyjourney.backend.model.enums.ExpenseSplitType
  - com.mapmyjourney.backend.model.enums.TripMemberRole
  - com.mapmyjourney.backend.model.enums.UserRole