

## 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.model.Activity](#)
  - [com.mapmyjourney.backend.controller.ActivityController](#)
  - [com.mapmyjourney.backend.dto.ActivityDTO](#)
  - [com.mapmyjourney.backend.service.ActivityService](#)
  - [com.mapmyjourney.backend.dto.AddMemberRequestDTO](#)
  - [com.mapmyjourney.backend.BackendApplication](#)
  - [com.mapmyjourney.backend.dto.ChangeMemberRoleRequestDTO](#)
  - [com.mapmyjourney.backend.config.CorsConfig](#) (implements org.springframework.web.servlet.config.annotation.WebMvcConfigurer)
  - [com.mapmyjourney.backend.dto.CreateActivityRequestDTO](#)
  - [com.mapmyjourney.backend.dto.CreateSplitRequestDTO](#)
  - [com.mapmyjourney.backend.security.CustomUserDetailsService](#) (implements org.springframework.security.core.userdetails.UserDetailsService)
  - [com.mapmyjourney.backend.config.DatabaseSeeder](#) (implements org.springframework.boot.CommandLineRunner)
  - [com.mapmyjourney.backend.dto.ErrorResponseDTO](#)
  - [com.mapmyjourney.backend.controller.ExampleController](#)
  - [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.controller.HealthController](#)
  - [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.dto.UpdateActivityRequestDTO](#)
  - [com.mapmyjourney.backend.model.User](#)
  - [com.mapmyjourney.backend.controller UserController](#)
  - [com.mapmyjourney.backend.dto.UserCreateRequestDTO](#)
  - [com.mapmyjourney.backend.dto.UserDTO](#)
  - [com.mapmyjourney.backend.service.UserService](#)
  - [com.mapmyjourney.backend.dto.UserUpdateRequestDTO](#)
  - [com.mapmyjourney.backend.config.WebConfig](#)

### 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.ActivityRepository](#)

- 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.**ActivityRepository**
      - 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.**ActivityRepository**
      - 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<sup>✉</sup>
  - java.lang.Enum<sup>✉</sup><E> (implements java.lang.Comparable<sup>✉</sup><T>, java.lang.constant.Constable<sup>✉</sup>, java.io.Serializable<sup>✉</sup>)
    - com.mapmyjourney.backend.model.**ActivityType**
    - com.mapmyjourney.backend.model.enums.**ExpenseSplitType**
    - com.mapmyjourney.backend.model.enums.**TripMemberRole**
    - com.mapmyjourney.backend.model.enums.**UserRole**