실습

store 더미데이터

미션

1. Member에게 해당되는 미션 데이터 조회

```
mysql> select * from member;
                                  | created_at
                                                                      | food_category | id | updated_at
                                                                                                                                                                         | phone_number | gender | social_type
                                                                                                                                                                          1990-01-01 00:00:00.0000000 | 2024-11-09 02:36:51.000000 | 1992-02-15 00:00:00.0000000 | 2024-11-09 02:36:51.000000 |
                                                                                       1 | 1 | 2024-11-09 02:36:51.000000 | hong@example.com | 홍길동
2 | 2 | 2024-11-09 02:36:51.000000 | kim@example.com | 김영희
                                                                                                                                                                                                       GOOGLE
2 rows in set (0.00 sec)
mysql> select * from member_mission;
                                  | id | member_id | mission_id | updated_at
1 | 2024-11-09 02:38:13.000000 | IN_PROGRESS | 2 | 2024-11-09 02:38:13.000000 | SUCCESS
2 rows in set (0.00 sec)
mysql> select * from mission
| created_at
                                   | id | reward | store_id | updated_at
                                                                                                     | name
                                                                                                                              | mission_spec
| 2024-11-09 02:38:13.000000 | 1 |
| 2024-11-09 02:38:13.000000 | 2 |
                                                               6 | 2024-11-09 02:38:13.000000 | 첫 미션
7 | 2024-11-09 02:38:13.000000 | 두 번째 미션
                                                                                                                              .
¦ 첫 번째 미션 설명
¦ 두 번째 미션 설명
2 rows in set (0.00 sec)
mysql> [
```

```
@Bean 신규*
public CommandLineRunner run(ApplicationContext context) {
    return args -> {
        StoreQueryService storeService = context.getBean(StoreQueryService.class);
        MemberMissionQueryService memberMissionService = context.getBean(MemberMissionQueryService.class);

        String name = "한우곱청";
        Long memberId = 2L;

        System.out.println("Executing findStoresByNameAndScore with parameters:");
        System.out.println("Name: " + name);
        System.out.println("MemberId: " + memberId);
        storeService.findStoresByName(name).forEach(System.out::println);
        memberMissionService.findMemberMissionsByMemberId(memberId).forEach(System.out::println);
    };
}
```

MemberMission: MemberMission{id=4, status=SUCCESS}
MemberMission{id=4, status=SUCCESS}

2. 해당 가게에 해당되는 리뷰 데이터 조회

```
mysql> select * from review;
                           | id | member_id | score | store_id | updated_at
| created_at
                                                                                       | content
| 2023-10-01 10:30:00.000000 | 1 |
                                        1 |
                                                5 |
                                                          6 | 2023-10-01 10:30:00.000000 | Excellent service and food.
                                                          7 | 2023-10-02 11:45:00.000000 | Great experience overall!
! 2023-10-02 11:45:00.000000 ! 2 !
                                        2 |
                                                4 !
| 2023-10-03 09:50:00.000000 | 3 |
                                        1 |
                                               3 ¦
                                                         8 | 2023-10-03 09:50:00.000000 | Good food but a bit pricey.
5 |
                                                          9 | 2023-10-04 14:10:00.000000 | Loved the ambiance and taste!
                                        2 !
| 2023-10-05 08:30:00.000000 | 5 |
                                                2 |
                                                         10 | 2023-10-05 08:30:00.000000 | Not as expected, could be better. |
                                        1 |
```

```
public class ReviewRepositoryImpl implements ReviewRepositoryCustom {
    private final IntityManager entityManager;
    @Override 1계 사용 위치 신규?
    public List<Review> dynamicQueryWithBooleanBuilder(Long memberId, Long storeId) {
        entityManager.clear(); // 1차 케시 비우기
        BooleanBuilder predicate = new BooleanBuilder();

    if (memberId != null) {
        predicate.and(review.memberId.id.eq(memberId));
    }

    if (storeId != null) {
        predicate.and(review.storeId.id.eq(storeId));
    }

    return jpaQueryFactory
        .selectFrom(review)
        .join(review.memberId, member).fetchJoin()
        .join(review.storeId, store).fetchJoin()
        .leftJoin(review.reviewImageList).fetchJoin() // reviewImageList를 fetchJoin으로 문명

        .where(predicate)

        .orderBy(review.createdAt.desc())
        .fetch();

}

System.out.println("Executing findReviewsByStoreId with parameters:");
```

```
System.out.println("Executing findReviewsByStoreId with parameters:");
System.out.println("StoreId: " + storeId);
System.out.println("MemberId: " + memberId);
reviewService.findReviewByMemberIdAndStoreId(storeId,memberId).forEach(System.out::println);
};
}
```

```
r1_0.created_at desc
Review{id=2, score=4, content='Great experience overall!', reviewImageList=[]}
```

3. 홈 화면 쿼리 (현재 선택 된 지역에서 도전이 가능한 미션 목록, 페이징 포함)

```
@Repository 신규*
   @RequiredArgsConstructor
  public class MissionRepositoryImpl implements MissionRepositoryCustom {
       private final JPAQueryFactory jpaQueryFactory;
       @Override 1개 사용 위치 신규 *
       public List<Mission> findMissionsWithCompletedCountByRegion(Long regionId) {
           return jpaQueryFactory
                   .select(Projections.fields(Mission.class,
                          mission.reward,
                          memberMission.id.count().as( alias: "completedMissionsCount")
                   .from(mission)
                   .leftJoin(mission.storeId, store)
                   .leftJoin(store.regionId, region)
                   .leftJoin(memberMission).on(memberMission.missionId.id.eq(mission.id)
                           .and(memberMission.status.eq(MissionStatus.valueOf( name: "SUCCESS"))))
                   .where(region.id.eq(regionId))
                   .groupBy(mission.id, mission.name, mission.missionSpec, mission.reward)
                   .orderBy(mission.createdAt.desc())
   System.out.println("Executing findMissionsWithCompletedCountByRegion with parameters:");
   System.out.println("RegionId: " + regionId);
   missionService.findMissionsWithCompletedCountByRegion(regionId).forEach(System.out::println);
mysql> SELECT m.id, m.name, m.mission_spec, m.reward,
              COUNT(mm.id) AS completed_missions_count
    -> FROM mission AS m
    -> LEFT JOIN store AS s ON m.store_id = s.id
   -> LEFT JOIN region AS r ON s.region_id = r.id
    -> LEFT JOIN member_mission AS mm ON mm.mission_id = m.id AND mm.status = 'SUCCESS'
    -> WHERE r.id = 1
    -> GROUP BY m.id, m.name, m.mission_spec, m.reward
    -> ORDER BY m.created_at DESC;
                  | mission_spec
! id ! name
                                             | reward | completed_missions_count |
                  ¦ 첫 번째 미션 설명
 1 | 첫 미션
                                                  1000 |
                                                                                 0 |
1 row in set (0.00 sec)
```

```
Executing findMissionsWithCompletedCountByRegion with parameters:
RegionId: 1
Hibernate:
    /* select
    mission.id,
    mission.name,
    mission.missionSpec,
    mission.reward,
    count(memberMission.id) as completedMissionsCount

Mission{reward=1000, missionSpec='첫 번째 미션 설명', name='첫 미션', id=1}
```

4. 마이 페이지 화면 쿼리

```
System.out.println("Executing findMemberDetailsById with parameters:");
System.out.println("UserId: " + userId);
memberService.findMemberByMemberDetailsId(userId).forEach(System.out::println);
```

```
where
m1_0.id=?
Member{id=1, name='홍길동', gender=MALE, socialType=6006LE, birth=1990-01-01T00:00, foodCategory=1, email='hong@example.com', phoneNumber='
```