# DAO & Service Interfaces cho Dự án OE VIDEO

## I1. Interface VideoDAO

* - List<Video> findTop6ByOrderByViewsDescOrCreatedDateDesc();
* - Page<Video> findAll(Pageable pageable);
* - Optional<Video> findById(String id);
* - Video save(Video video);
* - Video update(Video video);
* - void deleteById(String id);

## I1. Interface VideoService

* - List<Video> findTop6ByOrderByViewsDescOrCreatedDateDesc();
* - Page<Video> findAll(Pageable pageable);
* - Optional<Video> findById(String id);
* - Video save(Video video);
* - Video update(Video video);
* - void deleteById(String id);

## I2. Interface FavoriteDAO

* - void likeVideo(String userId, String videoId);
* - void unlikeVideo(String userId, String videoId);
* - List<Video> findFavoriteVideosByUserId(String userId);
* - long countByVideoId(String videoId);
* - List<Object[]> getFavoriteReport();

## I2. Interface FavoriteService

* - void likeVideo(String userId, String videoId);
* - void unlikeVideo(String userId, String videoId);
* - List<Video> findFavoriteVideosByUserId(String userId);
* - long countByVideoId(String videoId);
* - List<Object[]> getFavoriteReport();

## I3. Interface ShareDAO

* - void shareVideo(String userId, String videoId, String emails);
* - List<Object[]> getShareReport();

## I3. Interface ShareService

* - void shareVideo(String userId, String videoId, String emails);
* - List<Object[]> getShareReport();

## I4. Interface UserDAO

* - Optional<User> findById(String id);
* - Optional<User> findByEmail(String email);
* - Page<User> findAll(Pageable pageable);
* - User save(User user);
* - User update(User user);
* - void deleteById(String id);
* - boolean authenticate(String username, String password);
* - void updatePassword(String userId, String newPassword);
* - void resetPasswordByEmail(String email);

## I4. Interface UserService

* - Optional<User> findById(String id);
* - Optional<User> findByEmail(String email);
* - Page<User> findAll(Pageable pageable);
* - User save(User user);
* - User update(User user);
* - void deleteById(String id);
* - boolean authenticate(String username, String password);
* - void updatePassword(String userId, String newPassword);
* - void resetPasswordByEmail(String email);

## I5. Interface AuthDAO

* - boolean isAdmin(String userId);
* - boolean checkRememberMe(HttpServletRequest request);
* - void logout(HttpSession session);

## I5. Interface AuthService

* - boolean isAdmin(String userId);
* - boolean checkRememberMe(HttpServletRequest request);
* - void logout(HttpSession session);