

## 1 Sara Theriault – Method & Test List

All tests are located in: `SaraSystemTest.java`

**Package:** `com.imp3.Backend.user`

**Class:** `UserController.java`

Method Name	Test Written?
<code>public User signUp(@RequestBody User user)</code>	YES
<code>public List&lt;User&gt;getAllUsers()</code>	YES
<code>public User followUser(@PathVariable Integer id, HttpSession session)</code>	YES
<code>public User unfollowUser(@PathVariable Integer id, HttpSession session)</code>	YES
<code>public List&lt;User&gt;getFollowers(@PathVariable Integer id)</code>	YES
<code>public List&lt;User&gt;getFollowing(@PathVariable Integer id)</code>	YES
<code>public List&lt;User&gt;getMutuals(@PathVariable Integer id)</code>	YES
<code>public User getUserInfo(@PathVariable Integer id)</code>	NO

**Package:** `com.imp3.Backend.list`

**Class:** `ListController.java`

Method Name	Test Written?
<code>public UserList createUserList(@RequestBody ListRequest body, HttpSession session)</code>	YES
<code>public UserList getUserList(@PathVariable Integer listId, HttpSession session)</code>	YES
<code>public UserList updateUserList(@PathVariable Integer listId, @RequestBody ListRequest body, HttpSession session)</code>	YES
<code>public void deleteUserList(@PathVariable Integer listId, HttpSession session)</code>	YES
<code>public List&lt;UserList&gt;getMyLists(HttpSession session)</code>	YES
<code>public List&lt;UserList&gt;getUserPublicLists(@PathVariable Integer ownerId)</code>	NO
<code>public Map&lt;String, Object&gt;addSong(@PathVariable Integer listId, @PathVariable Integer songId, @RequestBody(required = false) Map&lt;String, String&gt;body, HttpSession session)</code>	YES
<code>public Map&lt;String, Object&gt;removeSong(@PathVariable Integer listId, @PathVariable Integer songId, HttpSession session)</code>	NO
<code>public Map&lt;String, Object&gt;addAlbum(@PathVariable Integer listId, @PathVariable Integer albumId, @RequestBody(required = false) Map&lt;String, String&gt;body, HttpSession session)</code>	NO
<code>public Map&lt;String, Object&gt;removeAlbum(@PathVariable Integer listId, @PathVariable Integer albumId, HttpSession session)</code>	NO
<code>public List&lt;TrackDTO&gt;getSongsInList(@PathVariable Integer listId, HttpSession session)</code>	YES

**Class: ListService.java**

Method Name	Test Written?
private UserList requireOwnedList(Integer listId, Integer userId)	YES
public void addSong(Integer listId, Integer userId, Integer songId)	YES
public void removeSong(Integer listId, Integer userId, Integer songId)	NO
public void addAlbum(Integer listId, Integer userId, Integer albumId)	NO
public void removeAlbum(Integer listId, Integer userId, Integer albumId)	NO

**Package: com.imp3.Backend.Notification****Class: NotificationController.java**

Method Name	Test Written?
public Notification createNotification(@RequestBody NotificationRequest body, HttpSession session)	YES
public Notification getNotification(@PathVariable Integer notifId, HttpSession session)	NO
public List<Notification> getAllNotifications(HttpSession session)	YES
public Notification markRead(@PathVariable Integer notifId, HttpSession session)	YES
public List<Notification> markAllAsRead(HttpSession session)	NO
public void deleteNotification(@PathVariable Integer notifId, HttpSession session)	YES

**Class: NotificationEndpoint.java**

Method Name	Test Written?
public void onOpen(Session session, @PathParam("uid") String stringUid) throws IOException	NO
public void onClose(Session session) throws IOException	NO
public void onError(Session session, Throwable throwable)	NO
public static void sendToUser(Integer uid, String message) throws IOException	NO

**Class: NotificationService.java**

Method Name	Test Written?
public void notifyFollowersOfReview(Review review)	NO
public void notifyUserFollow(User follower, User followed)	NO
public void notifyFollowersOfNewList(UserList list)	NO
public void push(Notification n)	NO
public void notifyUserRecommendation(User sender, User recipient, String title)	NO

**Package: com.imp3.Backend.common**

**Class: GeminiService.java**

Method Name	Test Written?
public String generate(String prompt)	NO
public String generateJson(String prompt)	NO
public List<String>generateSearchQueries(String topTracksJson, String topArtistsJson)	NO
public String generateRecommendationRationale(String trackName, String artistName, String userTopData)	NO

**Class: SpotifyAuthController.java**

Method Name	Test Written?
public ResponseEntity<String>login(HttpServletResponse response, HttpSession session, @RequestParam(required = false) Integer uid) throws IOException	NO
public ResponseEntity<String>callback(@RequestParam(required = false) String code, @RequestParam(required = false, name = "error") String error, @RequestParam(required = false) String state, HttpSession session, HttpServletResponse httpResponse) throws IOException	NO
public ResponseEntity<String>unlinkSpotify(HttpSession session)	NO
public ResponseEntity<?>getToken(@RequestParam Integer uid)	NO
public ResponseEntity<?>searchSpotify(@RequestParam Integer uid, @RequestParam String q, @RequestParam(defaultValue = "album,track") String type, @RequestParam(defaultValue = "20") int limit)	NO

**Class: SpotifyImportService.java**

Method Name	Test Written?
public Artist getOrCreateArtist(String spotifyId, String name)	NO
public Album getOrCreateAlbum(JsonNode spotifyAlbum)	NO
public Track getOrCreateTrack(JsonNode spotifyTrack)	NO
private void autoTagTrack(Track track, JsonNode spotifyTrack)	NO
private void autoTagAlbum(Album album, JsonNode spotifyAlbum)	NO
private byte[] fetchImageBytes(String url)	NO

**Class: SpotifyService.java**

Method Name	Test Written?
private String getAccessToken()	NO
private void requestAccessToken()	NO
public List<TrackDTO>mapSpotifyTracksToDTO(JsonNode payload)	NO
public JsonNode getTrack(String trackId)	NO
public JsonNode getUserTopTracks(String userAccessToken)	NO
public JsonNode getUserTopTracks(User user)	NO
public String refreshUserAccessToken(User user)	NO
public JsonNode getUserTopArtists(User user)	NO
public JsonNode getRelatedArtists(String artistId, User user)	NO
public JsonNode getArtistTopTracks(String artistId, User user)	NO
public List<TrackDTO>getRecommendedTracks(User user)	NO
public JsonNode searchTracks(String query, User user)	NO
public JsonNode searchTracksWithClientCredentials(String query)	NO

**Package: com.imp3.Backend.recommendation****Class: RecController.java**

Method Name	Test Written?
public Recommendation createRecommendation(@RequestBody RecRequest recReq, HttpSession session)	YES
public List<Recommendation>getAllRecommendations(HttpSession session)	YES
public List<Recommendation>getUserPublicRecommendations(@PathVariable Integer profileUid, HttpSession session)	YES
public Recommendation getRecommendation(@PathVariable Integer recId, HttpSession session)	YES
public Recommendation updateRecommendation(@PathVariable Integer recId, @RequestBody RecRequest recReq, HttpSession session)	YES
public void deleteRecommendation(@PathVariable Integer recId, HttpSession session)	YES
public com.fasterxml.jackson.databind.JsonNode getRecommendationSpotify(@PathVariable Integer recId, HttpSession session)	YES
private void fillRationaleFromGemini(Recommendation r, String spotifyId)	NO
public List<SuggestedTrackResponse>getSuggestedTracks(HttpSession session)	YES

**Class: RecService.java**

Method Name	Test Written?
public List<SuggestedTrackResponse>discoverRecommendations(User user)	YES
private String buildTrackSummary(JsonNode topTracks)	NO
private String buildArtistSummary(JsonNode topArtists)	NO

**Package: com.imp3.Backend.tag**

**Class: TagController.java**

Method Name	Test Written?
public List<Tag>getAllTags(@RequestParam(required = false) String search, @RequestParam(required = false) Tag.TagCategory category)	YES
public Tag getTag(@PathVariable Integer tagId)	YES
public Tag createTag(@RequestBody TagRequest request, HttpSession session)	YES
public Tag updateTag(@PathVariable Integer tagId, @RequestBody TagRequest request, HttpSession session)	NO
public void deleteTag(@PathVariable Integer tagId, HttpSession session)	NO

**Class: UserTagController.java**

Method Name	Test Written?
public List<UserTag>getMyTags(HttpSession session)	YES
public UserTag getMyTag(@PathVariable Integer userTagId, HttpSession session)	NO
public List<UserTag>getUserTags(@PathVariable Integer profileUid, HttpSession session)	NO
public UserTag addTagToUser(@RequestBody UserTagRequest request, HttpSession session)	YES
public UserTag updateUserTag(@PathVariable Integer userTagId, @RequestBody UserTagRequest request, HttpSession session)	NO
public void removeTagFromUser(@PathVariable Integer userTagId, HttpSession session)	NO
public List<UserTag>generateTags(HttpSession session)	NO
public Map<String, String>getProfileSummary(HttpSession session)	NO
public Map<String, String>getUserProfileSummary(@PathVariable Integer profileUid, HttpSession session)	NO

**Class: TagService.java**

Method Name	Test Written?
public List<UserTag>generateTagsFromSpotify(User user)	NO
private List<String>generateTagsWithGemini(Set<String>genres, List<String>artists, List<String>tracks)	NO
public List<String>parseTagsFromResponse(String response)	NO
public String generateProfileSummary(Integer uid)	NO