Potlatch Requirements

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User support features

No.	Requirement	Satisfied?
1	Supports multiple users via individual user accounts	Yes the application supports multiple users via individual accounts. This is demonstrated in the video. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/LoginActivity.java (lines 49 - 64) PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/auth/OAuth2SecurityConfiguration.java (lines 88 – 106).**
2	Contains one user facing function only available to authenticated users	Authentication is required to access all functions. Users have to login before they can view or create gifts as demonstrated in the video. **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/auth/Oauth2SecurityConfiguration.java (lines 124 – 154).**
3	Users can navigate between 3 or more interface screens at runtime	There four main screens: login, gift view, gift creation / editing and user preferences. This is demonstrated in the video. **PotlatchClient/res/layout/list_gift_activity.xml PotlatchClient/res/layout/login_activity.xml PotlatchClient/res/layout/view_gift.xml PotlatchClient/res/xml/preferences.xml PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/LoginActivity.java (lines 37 -46) PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ListGiftsActivity.java (lines 67 - 74) PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/SettingsActitivy.java (lines 25 - 34) PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/CreateGiftActivity.java (lines 28 - 38)**

Technical Feature Requirements

No.	Requirement	Satisfied?
4	App implementation must comprise of at least 1 instance of at least 2 of the following fundamental Android components: Activity, BroadcastReceiver, Service, ContentProvider	The application uses 9 Android activities. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/GiftActivity.java (line 44)** **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/LoginActivity.java (line 27)** **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ListGiftsActivity.java (line 42)** **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/SettingsActivity.java (line 14)** **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ViewGiftActivity.java (line 44)** It uses a service for uploading images and videos in the background **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/UploadService.java (line 35)**
5	App must interact over the network via HTTP	This is demonstrated in the video. **PotlatchCommon/src/main/java/com/pataniqa/coursera/potlatch/store/remote/RemoteGiftApi.java (lines 29 - 125)** **PotlatchCommon/src/main/java/com/pataniqa/coursera/potlatch/store/remote/RemoteGiftChainApi.java (lines 22 - 40)** **PotlatchCommon/src/main/java/com/pataniqa/coursera/potlatch/store/remote/RemoteUserApi.java (lines 22 - 39)**
6	App must interact with at least one remotely-hosted Java Spring-based service	This is demonstrated in the video. The server is the PotlatchServer project. **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/Application.java (line 30 - 35)**
7	App must use at least one advanced capability or API from the following list (covered in the MoCCA specialization): multimedia playback, touch gestures, sensors, animation.	The app uses supports uploading, downloading and playing videos, which is a form of multimedia playback (NOTE: this functionality may not work. It worked on the local store but there was insufficient time to test it after moving to the remote store.) **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/VideoDetailActivity.java (line 76)** **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ViewGiftActivity.java (line 151)**

Project Specific Requirements

No.	Requirement	Satisfied?
8	App defines a Gift as a unit of data containing an image, a title and an optional accompanying text.	Yes. This is demonstrated in the video. **PotlatchCommon/src/main/java/com/pataniqa/coursera/potlatch/model/Gift.java (lines 30 - 40)**
9	App defines a Gift as a unit of data containing an image, a title and optional accompanying text. A User can create a gift by taking a picture (or optionally by selecting an image already stored on the device) entering a title, and optionally typing in accompanying text.	This is demonstrated in the video. Due to emulator limitations the video demonstrates selecting an existing image rather than taking a new image or uploading a video. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ViewGiftActivity.java (lines 83 – 105 and 127 - 162)**
10	Once the Gift is complete the User can post the Gift to a Gift Chain (which is one or more related Gifts).	This is demonstrated in the video. The user selects the gift chain by typing the gift chain name. The text box supports gift name autocompletion. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ViewGiftActivity.java (lines 204 – 230, 232 – 250)** **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/CreateGiftActivity.java (lines 48-97)**
11	Gift data is stored to and retrieved from a web-based service accessible in the cloud.	Yes. This is demonstrated in the video. For the client see the code cited for requirement 5. For the server see **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/GiftChainService.java (lines 28 - 53)** **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/GiftService.java (lines 74 - 267)** **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/UserService.java (lines 32 - 58)**
12	The post operation used to store Gift data requires an authenticated user account.	Yes. All operations using the cloud store require the user to be authenticated. **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/auth/Oauth2SecurityConfiguration.java (lines 92 – 103).**
13	Users can view Gifts that have been posted.	Yes. This is demonstrated in the video. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ListGiftsActivity.java (lines 312 – 331)**

		PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/GiftDataArrayAdapter.java (lines 121 -129)
14	Users can do text searches for Gifts performed only on the Gift's title.	Yes. This is demonstrated in the video. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ListGiftsActivity.java (lines 144 – 168).**
15	Gifts matching the search criterion are returned for user viewing.	Yes - see the video. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ListGiftsActivity.java (lines 144 – 168). PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/GiftActivity.java (lines 123 – 135) PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/GiftService.java (lines 162 - 242)**
16	Users can indicate they were touched by a Gift at most once per Gift (i.e. double touching is not allowed) and can also flag Gifts as being obscene or inappropriate. Users can set a preference that prevents the display of Gifts flagged as obscene or inappropriate.	Yes - see the video. **PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/GiftDataArrayAdapter.java (lines 130 – 150) PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/GiftQuery (lines 124 – 133). PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/GiftService.java (lines 339 – 343).**
17	Touched counts are displayed with each gift. These counts can be periodically updated in accordance with user-specified preference (e.g. touched counts are updated every 1, 5 or 60 minutes) via push notifications for continuous updates.	The results and touched counts are periodically updated, but it is not done by push notifications: instead the client manually polling the server. See the design documentation for a discussion about why this approach was taken. The update functionality is demonstrated in the video. **PotlatchClient/res/values/arrays.xml PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/ListGiftsActivity.java (lines 188 – 208)**
18	App can display information about the top "gift givers" i.e. those whose Gifts have touched the most people.	Yes – this is demonstrated in the video. **PotlatchServer/src/main/java/com/pataniqa/coursera/potlatch/server/GiftService.java (lines 211 – 242) PotlatchClient/src/com/pataniqa/coursera/potlatch/ui/GiftQuery (lines 129)**