

Mobile – TASK

Please build a Native app that

- Allows the user to browse the Trade Me categories and displays the first 20 listings in each category
- Consumes these API endpoints:
 - Category browsing
 - Documentation: <http://developer.trademe.co.nz/api-reference/catalogue-methods/retrieve-general-categories>
 - Endpoint: <https://api.tmsandbox.co.nz/v1/Categories/0.json>
 - Search
 - Documentation <http://developer.trademe.co.nz/api-reference/search-methods/general-search/> [HYPERLINK](http://developer.trademe.co.nz/api-reference/search-methods/general-search/) [HYPERLINK](http://developer.trademe.co.nz/api-reference/search-methods/general-search/) [HYPERLINK](http://developer.trademe.co.nz/api-reference/search-methods/general-search/)
 - Endpoint: <https://api.tmsandbox.co.nz/v1/Search/General.json>
 - Optional - Listing details
 - Documentation: <http://developer.trademe.co.nz/api-reference/listing-methods/retrieve-the-details-of-a-single-listing/>
 - Endpoint: <https://api.tmsandbox.co.nz/v1/Listings/1234567890.json>
- Supports both phone and tablet
 - Ideally the tablet version allows the user to drill through the categories and view listings at that level at the same time

Notes:

- There is NO expectation that the user of the app will log in. Use un-authenticated API calls but be aware that there are API quotas in place.
- There are NO restrictions on the languages or libraries you can use to implement this task
- You can use the following information key/secret when building your app. This will save you time from registering a developer account, which may be restricted by your current geographic location.
 - Consumer key: A1AC63F0332A131A78FAC304D007E7D1
 - Consumer secret: EC7F18B17A062962C6930A8AE88B16C7
 - Should you run into issues, please ensure that in each request you send, an authorisation header is present, i.e:

Authorization: OAuth oauth_consumer_key="A1AC63F0332A131A78FAC304D007E7D1",
oauth_signature_method="PLAINTEXT", oauth_signature="EC7F18B17A062962C6930A8AE88B16C7&"

- It is OK if the listing details only display a thumbnail (where available), the listing title and the listing id
- Please use our Sandbox environment for all API calls
<http://developer.trademe.co.nz/api-overview/sandbox-environment/>
- Please upload your task to BitBucket or GitHub and then send me (Helena) the link to **Jennifer.madden@trademe.co.nz** 48 hours before your interview.