**GoodLoop API Reference for Mobile Applications**

**DRAFT 1 - 4/4/13**

The GoodLoop API is a standard RESTful API that accepts and returns JSON. Each resource is accessed using the following format:

http(s)://goodloop.org/api/<resourcename>

**session**

User authentication is handled using forms authentication.

To authenticate a user POST a username and password to the session resource.

POST: /api/session

parameters:

* username: <string>
* password: <string>

returns:

* Success <boolean>
* Message <string>

- Logs a user in with standard GoodLoop login credentials. Returns an authentication cookie.

DELETE: /api/session

- Logs a user out.

**accountrecovery**

For password recovery POST to the accountrecovery resource. If the email address is valid the user will be emailed with password recovery instructions.

POST: /api/accountrecovery

parameters:

* a json object with a single <string> field: UserName

returns:

* Success <boolean>

**deal**

Deals are accessed through the deal resource. All of the GET parameters are optional. Certain parameters only work if the user is authenticated.

GET: /api/deal

parameters:

* offsetRecords: integer - default = 0
* numberOfRecords: integer - default = 4
* onlyAvailableToUser: boolean - default = true
* locationClusterID: integer - default = null
* merchantCategoryID: integer - default = null
* organizationID: integer - default = null
* searchString: string = default = ""
* sortField: string - default = ""
* originLat: decimal - default = null
* originLong: decimal - default = null
* maxDistance: integer - default = null
* exculsiveNotInUsersLoop: boolean - default = null
* (FUTURE) selectedDeals: boolean - default = false
* (FUTURE) redeemed: boolean - default = false

returns:

* An array of deals
* Deal fields:
  + DealID
  + DealName
  + Description
  + EndsOn
  + EstimatedValue
  + LocationClusterID
  + SimultaneousClipsAllowed
  + StartsOn
  + TotalRedemptionsAllowed
  + DetailLink
  + Popularity
  + AvailableClips
  + MerchantCategoryID
  + PreviewImage
  + MerchantName
  + InstancesAvailableToUser

**clip**

A clip is a deal that has been selected by a user. To select a deal, POST to the clip resource. The user must be authenticated.

POST: /api/clip

parameters:

* A json object containing a single field: DealID

returns:

* The number of selected deals (integer).

**offercode**

To redeem a deal, post the offercode to the offercode resource. The user must be authenticated.

POST: /api/offercode

parameters:

* offercode: <string>

returns:

* msg: <string> - a message containing either “Code Not Found” or “Success”

**(FUTURE) merchantreport**

Gets report and summary data for merchants. The user must be authenticated.

GET: /api/merchantreport/<integer>

parameters:

* MerchantID

returns:

* Number of transaction to date or by month
  + Number of transaction per offers
  + short list of current offers
  + short list of closed offers