

Write an application using iOS 7 SDK that does the following:

1. Performs HTTP GET request to the endpoint: <http://api.stylight.com/api/new> using HTTP header "X-apiKey: D13A5A5A0A3602477A513E02691A8458". Description of the parameters provided in appendix.
2. Visualizes retrieved data in a UICollectionView. You can chose how and which properties of objects to display, but minimal requirements are:
  - 2.1. "infinite" scrolling — your application should load additional batches of data on scroll;
  - 2.2. At least one image displayed per object;
  - 2.3. Image download should be asynchronous and not hinder scrolling performance;
  - 2.4. Each displayed object should have a name or description and creator where applicable;
  - 2.5. Identical API calls are throttled to once per 15 minutes;
  - 2.6. Application state is preserved between restarts (i.e. it should not display empty screen on subsequent launches).

There are no restrictions on 3rd party code or frameworks usage, some of them would be even considered advantageous. Specifically, using CoreData as persistence framework would be deemed as an advantage.

Make sure that application doesn't crash and is able to run at least on both 3.5 and 4-inch iPhone Simulators. Adapting application for the iPad would be nice, but not required.

Please upload source code of your application to the public GitHub repository (<http://github.com>) and send us a link. You can create free account if you don't have one already or prefer to keep your personal account undisclosed.

Email [alexander.kolov@stylight.com](mailto:alexander.kolov@stylight.com) If you have any questions.

#### Appendix: Parameters of the *GET /new* endpoint

Parameter	Type	Required	Comments
gender	string	required	"women" or "men"
page	integer	optional	zero-based page number
pageItems	integer	optional	number of items per page
initializeRows	integer	optional	how many items to initialize per board
serializeCreator	string	optional	"true" or "false", if the board creator should be serialized, defaults to "true"
serializeItems	string	optional	"true" or "false", if the board items should be serialized, defaults to "true"

Example: <http://api.stylight.com/api/new?gender=women&initializeBoards=true&initializeRows=1024000&pageItems=10&page=0>