# Work Flow:

Check the Visio file

# Modules:

Wa

* Config
  + Api:
  + Info: store server info, browser info, app info, logMsg option. **This module will be configed by grunt task: setEnv.**
  + getUserInfo: this module will be called automatically when module wa is loaded. this module will collect the browser info and set those into the ‘config/info’ module.
* Cookie
  + guid: generate the guid.
  + cookie: cookie operation.
  + id: this module use to get the machine, session, track id. **This module will be configed by grunt task: setEnv.**
* Core
  + exports: include this module to get the window obj.
* Data
  + Queue: call the onready function with queue and it’s storageKey when the queue can be sent
    - api:
      * add: add data
      * sub: define the onReady callback
    - service
    - q: store the queue data
    - k: store all storageKey of the queue data
  + storage: store wa data that will be sent to server to local storage temporarily, and operate the stored data.
    - api:
    - service: get all or specify stored data(s), save data to local storage, remove stored data.
  + Group
    - Api
    - Add: add data to a specify group member, return null if the group can be sent, otherwise return the group
    - Define: define a group. Without a group name.
    - G: store all group object in here.
    - Get: get the specify group by group’s member name. return Array, and if nothing find will return empty array.
  + wrap:
    - api
    - service: wrap data with app id, env, etc.
  + Push: call the specify function by command type.
* Http
  + Api
  + Post
  + request
* oldBrowser
  + JSON
  + xDomainRequest
* time
  + api
  + timer
  + timerList
* util
  + dcopy
  + extend
  + JSON: return the JSON object, will use the ‘oldBrowser/JSON’ for old browser.
  + Log
  + parseUrl
* nullModule: the exclude modules will point to this file.