

Using new message passing methods

```
// UI -> Backend
sendMessage(String method,
    Array<RequestValue> options,
    - Function callback returns ResponseValue values)
```

```
// Backend -> UI
sendMessage(BackendMessage response)
```

(object sent from UI to backend)

- Number id
- String method
- Array<RequestValue> options

BackendMessage (object sent from backend to UI)

- Number id
- ResponseValue values

Using existing message passing methods

```
// UI -> Backend
ext.backgroundPage.sendMessage(UIMessage options,
    Function [callback] returns ResponseValue values)
ext.onMessage.addListener(Function callback returns ResponseValue values)
```

```
// Backend -> UI
ext.onMessage._dispatch(BackendMessage options)
```

UIMessage (object sent from UI to backend)

- String type
- Array<RequestValue> args
- ?—?

BackendMessage (object sent from backend to UI)

- String type
- ResponseValue values
- String action
- Array<ResponseValue> args

Filter

- ~~Boolean disabled~~
- **String** text
- ~~String type ("blocking", "comment", "elemhide", "whitelist")~~

Subscription

- **String** description
- **Boolean** disabled
- **String** homepage
- **Number** lastSuccess
- **String** title
- **String** url
- **String** downloadStatus

Method		RequestValue	ResponseValue
app	listen	"addSubscription"	Object - Subscription addSubscription
		"loaded"	null
filters	add	String filterText	null
	get	String subscriptionUrl	Object <String, Array<Filter>>
	listen	"added" "removed"	Object <String, Filter>
	remove	String filterText	null
prefs	get	String key	Object <String, ?>
	set	Object <String, ?>	null
subscriptions	add	Subscription	null
	get	"downloadable" "special"	Object <String, Array<Subscription>>
	listen	"added" "removed"	Object <String, Subscription>
		"disabled" "downloadStatus" "homepage"	Object <String, ?>

		"lastDownload" "title"	
	remove	String subscriptionUrl	null
	toggle	Subscription	null
	update	"all" String subscriptionUrl	null

Implementation notes

- Missing way to disable a subscription