1. notificationListController

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| --- | --- | --- | --- | --- |
| **No** | **Attributes** | **Type** | **Default** | **Description** |
|  | pageNumbers | Array | [] | Array of index of page number for pagination |
|  | listNotifications | Array | [] | Array of notifications in a page |
|  | totalNotifications | int | 0 | Total number of notifications of a user |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Methods** | **Parameters** | **Return** | **Description** |
| 1 | selectPage | int | N/A | Change to a page and update displayed list of notifications |
| 2 | goLeft | N/A | N/A | Go to left page of current page in pagination. |
| 3 | goRight | N/A | N/A | Go to right page of current page in pagination |
| 4 | passedTime | Date | String | Convert created date of notification to amount of elapsed time from current moment |
| 5 | readNotification | int | Object | Request to server to update status isRead of notification |

1. notificationService

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| --- | --- | --- | --- | --- |
| **No** | **Attributes** | **Type** | **Default** | **Description** |
| 1 | notificationsPerPage | int | 7 | Constant for number of notifications per page in pagination |
| 2 | currentPage | int | 0 | Current selected page of notifications |
|  | listNotifications | Array | [] | Displayed list of notifications of current selected page |
|  | totalNumberNotifications | int | 0 | Total number of notifications of a user |
|  | numberNewNotifications | int | 0 | Total number of unread notifications of a user |
|  | totalUnreadNotifications | int | 0 | Total number of unread notifications of a user |
|  | pageNumbers | Array | [] | Array of index of page number for pagination |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Methods** | **Parameters** | **Return** | **Description** |
| 1 | genPagination | N/A | N/A | Generate array of page numbers (pageNumbers) for navigation in pagination based on notificationsPerPage and totalNumberNotifications |
| 2 | getTotalNumberNotificationsServer | N/A | Object | Request to server and return a promise to be resolved for total number of notifications of a user |
| 3 | getTotalUnreadNotificationsServer | N/A | int | Request to server and return a promise to be resolved for total number of unread notifications of a user |
| 4 | getPageNumbers | N/A | int | Return array of index of page number for pagination (pageNumbers) |
| 5 | getNumberNewNotifications | N/A | int | Return total number of unread notifications of a user (numberNewNotifications) |
| 6 | setNumberNewNotifications | int | N/A | Set value for total number of unread notifications of a user |
| 7 | setCurrentPage | int | N/A | Set value for current selected page |
| 8 | getCurrentPage | N/A | int | Return current index page |
| 9 | getListNotificationsServer | N/A | Array | Return list of notifications of current selected page |
| 10 | readNotification | int | Object | Request to server to update status isRead of a notification |
| 11 | addNotification | Object | Object | Request to server to add new notification and return a promise to be resolved for inserted notification |