**NAVIGATION SERVICES: TRACKING HISTORY & RETURN PREVIOUS**

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| **Return Previous** |  | **Bread cum** |

**Tracking History & Return Previous**

* Rely on [Local Storage]: **history []**
* navigationService: 
  + **trackHistory(): void** **[Increase History]**
    - Read history from Local Storage and Parse JSON to Array
    - If len(history) >=15, remove index 0
    - Add current URL
    - If Homepage, login, logout reset history = []
    - Save history into local storage in JSON format
  + **canReturn(): Boolean [Check return-ability]**
    - Read history from local storage and parse JSON to array
    - If len(history) > 1 then canReturn: true, else canReturn: false
    - In all page, return visibility depends on canReturn result, (click) = returnPrevious()
  + **returnPrevious(): void** **[Reduce History]**
    - Read history from Local Storage and Parse JSON to Array
    - If len(history) > 1 then
      * Remove current Url: [slice(history[len(history)])]
      * If len(history) > 1
        + Get returnURL returnUrl = history(len(history))
        + Remove returnURL [slice(history[len(history)])]
      * Navigate to returnURL

**APPLICATIONS**

* ngOnInit: (of each module – cannot implement at tcode execution level as not accommodating user’s mouse event)
  + this.navigationServices.trackHistory();
  + this.canReturn = this. navigationServices.canReturn();
* Form
  + <button \*ngIf= “canReturn” (click)= “returnPrevious()”></button>
* returnPrevious()
  + this. navigationServices.returnPrevious();