**T-CODE**

* Format: prefixAction
* Prefix: Module (3-5 letters) [Priority: (1) Common sense (2) Stress]
* Action: Action (00-99)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **X-x** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
|  | Overview | Individual | Collective | Process | System | Dashboard | Summary Report | Detail Report | Customize | Admin |
|  |  |  |  |  |  |  |  |  |  |  |
| **x-X** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
|  |  | **C** | **R** | **U** | **D** | | | | |  |
|  | Summary | Create | Read | Update | Disable | Enable | Mark | Unmark | Delete | History |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **X** | **X** | **Description** | **X** | **X** | **Description** | **X** | **X** | **Description** |
| **0** | **0** | **Overview** |  |  |  |  |  |  |
| 0 | 1 | Master List |  |  |  |  |  |  |
| **1** | **0** | **Individual** | **4** | **0** | **System** | **7** | **0** | **Detail Report** |
| 1 | 1 | Create | 4 | 1 |  | 7 | 1 |  |
| 1 | 2 | Read | 4 | 2 |  | 7 | 2 |  |
| 1 | 3 | Update | 4 | 3 |  | 7 | 3 |  |
| 1 | 4 | Disable | 4 | 4 |  | 7 | 4 |  |
| 1 | 5 | Enable | 4 | 5 |  | 7 | 5 |  |
| 1 | 6 | Mark | 4 | 6 |  | 7 | 6 |  |
| 1 | 7 | Unmark | 4 | 7 |  | 7 | 7 |  |
| 1 | 8 | Delete | 4 | 8 |  | 7 | 8 |  |
| 1 | 9 | History | 4 | 9 |  | 7 | 9 |  |
| **2** | **0** | **Collective** | **5** | **0** | **Dashboard** | **8** | **0** | **Properties** |
| 2 | 1 | Upload | 5 | 1 | KPIs | 8 | 1 | Dimensions |
| 2 | 2 | Download | 5 | 2 |  | 8 | 2 |  |
| 2 | 3 | Upsert | 5 | 3 |  | 8 | 3 |  |
| 2 | 4 | Disable | 5 | 4 |  | 8 | 4 |  |
| 2 | 5 | Enable | 5 | 5 |  | 8 | 5 |  |
| 2 | 6 | Mark | 5 | 6 |  | 8 | 6 |  |
| 2 | 7 | Unmark | 5 | 7 |  | 8 | 7 |  |
| 2 | 8 | Delete | 5 | 8 |  | 8 | 8 |  |
| 2 | 9 | History | 5 | 9 |  | 8 | 9 |  |
| **3** | **0** | **Process [Req./ Rep.]** | **6** | **0** | **Summary Report** | **9** | **0** | **Administration** |
| 3 | 1 | New request | 6 | 1 |  | 9 | 1 | Configuration |
| 3 | 2 | Modify request | 6 | 2 |  | 9 | 2 | Approval Flow |
| 3 | 3 |  | 6 | 3 |  | 9 | 3 |  |
| 3 | 4 |  | 6 | 4 |  | 9 | 4 |  |
| 3 | 5 |  | 6 | 5 |  | 9 | 5 |  |
| 3 | 6 |  | 6 | 6 |  | 9 | 6 |  |
| 3 | 7 |  | 6 | 7 |  | 9 | 7 |  |
| 3 | 8 |  | 6 | 8 |  | 9 | 8 |  |
| 3 | 9 |  | 6 | 9 |  | 9 | 9 |  |
|  |  |  |  |  |  |  |  |  |

* *Standard convention: Focus on priorities, including: User friendliness, Simplicity and Standardization.*
* *Exception handling:* 
  + *If there are many t-codes that exceed available t-code slots (i.e. TNE Reporting), t-code annex is created (TNERPT).*
  + *03 action words is too long and most of the time “YANI – You Aren’t Need It”*

**SOLUTION – MODULE – TCODE RELATIONSHIP**

* Distinguish 3 terminologies: Solution vs. Module vs. T-codes
  + T-codes: Smallest component that directly associates to action
  + Module: Group of t-codes that facilitate t-codes grouping and modular in Angular
  + Solution: Group of t-codes in dynamical way to form a complete solution, system.

**URL:**

* Format: <https://gkbps.com/#/module/t-code>
* User input a t-code
* Check if t-code is one of those in specific modules
  + Yes: Module is specifically assigned
  + No: Module is the t-code prefix
* url: /module/t-code

Below demonstration is for purposes:

* To wrap a group of t-codes in its family to create separate modules [Separation of Concern].
* To allow decompose group of t-codes in different combination which are easily for manual design through module customization via Sidebar Menu and Navigation Board, for example:
  + Pure module: vdr, ctm, mje… (In family t-codes only)
  + Mixed module: AMS, e-Buy, TNE, API… (Both in family and in community t-codes: PR, VDR … in module eBuy)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **T-code** | **URL** | **Task** | **Comment** | |
| **GENERAL** | | | | |
| mine00 | mine/mine00 | My Categories | | Solution contain a pure module |
| mine01 | mine/mine01 | Inbox | |
| mine02 | mine/mine02 | Outbox | |
| mine03 | mine/mine03 | Draft | |
| mine04 | mine/mine04 | In Progress | |
| mine05 | mine/mine05 | Documenting | |
| mine06 | mine/mine06 | Finished | |
| **MASTER DATA** | | | | |
| vdr00 | vdr/vdr00 | Vendor Summary | | Solution contain a pure module |
| vdr11 | vdr/vdr11 | Vendor Create | |
| **REQUEST** | | | | |
| pr00 | pr/pr00 | PR Main Screen | | Solution contain a pure module |
| pr11 | pr/pr11 | PR Create | |
| pr12 | pr/pr12 | PR Read | |
| **SYSTEM** | | | | |
| ams00 | ams/ams00 | Audit Management System Navigation Board | | Solution contain mixed modules |
| acab00 | acab/acab00 | Audit Cabinet Management | |
| afile00 | afile/afile00 | Audit File Management | |
| apck00 | apck/apck00 | Audit Packages Management | |
| aifb40 | aifb/aifb00 | Audit Infor Base Management | |
| ctm00 | ctm/ctm00 | Client Services Management | |

**GK MANAGEMENT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Angular Module** | **Mongo DB** | **Collection** | **Schema** | **Model** | **Variable** |
| GkmModule | gkbps |  |  |  |  |
| GkClnModule | gkbps | gkclients | ClientSchema | GkClient | gkClient |
| GkSolModule | gkbps | gksolutions | SolutionSchema | GkSolution | gkSolution |
| GkTcdModule | gkbps | gktcodes | TcodeSchema | GkTcode | gkTcode |

|  |  |
| --- | --- |
| **ClientSchema** | **GkClient** |
| * \_id: Shema.Types.ObjectId, * name: String, * clientDb: String, * solutions: [   + { type: String, ref: ‘gkclients}   ]   * Status: String * createdAt: Date * updatedAt: Date | * \_id: 012345678910 * name: Sanofi Vietnam Aventis * clientDb: sav * solutions: [   + ‘gkm’,   + ‘gkcln’,   + ‘gksol’,   + ‘gktcd’,   ]   * status: ‘Active’ * createdAt: 31/01/2017 * updatedAt: 28/02/2017 |
| **SolutionSchema** | **GkSolution** |
| * \_id: Shema.Types.ObjectId, * name: String, * tcodes: [   + { type: String, ref: ‘gkclients}   ]   * Status: String * createdAt: Date * updatedAt: Date | * \_id: ‘gkm’, * name: ‘GK Management’, * tcodes: [   + ‘gkm01’,   + ‘gkcln01’,   + ‘gkcln11’,   ]   * status: ‘Active’ * createdAt: 31/01/2017 * updatedAt: 28/02/2017 |
| **TcodeSchema** | **GkTcode** |
| * \_id: Shema.Types.ObjectId, * name: String, * Status: String * createdAt: Date * updatedAt: Date | * \_id: ‘gkm01’, * name: ‘Summary’, * status: ‘Active’ * createdAt: 31/01/2017 * updatedAt: 28/02/2017 |