**ROUGH ANALYSES: traceability matrix**

This is intended to analyse what we already have or know about NavUP.

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| Type of User | Applicable Module  ( Direct access) | Applicable Module  (Indirect access) | Usage |
| Student  And employees | Client Derivate  - Login |  | Login functionality   * login to the system using their tuks student number and password, the system identify type of user from username and password key value pair   **RESTRICTIONS ( No Access )**:   * Analytic Module * Database Interface |
| User management |  | Giving the user an interface:   * Manage details and view their **usage statistics.** * **E.g. oldest location visited** |
| Route finding Module  (Navigation functionality) | + Wi-Fi Location Module ( Route Analysis and estimation ) | * Searching functionality for * venues * events * Public Services =restaurants, client student centre * Student issues =faculty house, societies |
| Lecture | Client Derivate - - Login |  | Login functionality   * login to the system using their tuks student number and password, the system identify type of user from username and password key value pair   **RESTRICTIONS ( No Access )**:   * Analytic Module |
| User management |  | Giving the user an interface:   * Manage details and view their **usage statistics.** * **oldest location visited** |
| Route finding Module  (Navigation functionality) | + Wi-Fi Location Module ( Route Analysis and estimation ) | * Searching functionality for * venues * events * Public Services =restaurants, client student centre * Student issues =faculty house, societies |
| Database Interface |  | Update changes or new venues for specific course or module  E.g. lectures, consultation, final project demo-day etc. |
| Visitor | Client Derivate – No Login |  | Login functionality   * No login, the system identify type of user as visitor **RESTRICTIONS ( No Access )**: * Analytic Module * Database Interface |
| Route finding Module  (Navigation functionality) | + Wi-Fi Location Module ( Route Analysis and estimation ) | Giving the user an interface:   * Searching functionality for * venues * events * Public Services =restaurants, client student centre * Student issues =faculty house, societies |
| Administrator | Client Derivate - - Login |  | Login functionality   * login to the system using their tuks student number and password, the system identify type of user from username and password key value pair   **RESTRICTIONS ( No Access )**:   * User management |
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