EXSEND Software Documentation

Variable

login\_check  
Load database

user\_count  
Load database

user\_id  
Load database

user  
Load database

password  
Load database

input\_user  
Load database

input\_password  
Load database

order\_count  
Load database

order\_id  
Load database

order\_status  
Load database

node\_count  
Load database

graph  
Load database

price\_info  
Load database

sender\_name  
Load database

receiver\_name  
Load database

sender\_address  
Load database

pickup\_city  
Load database

receiver\_address  
Load database

receiver\_city  
Load database

city\_id  
Load database

city  
Load database

void load\_database()  
Load database

void splash()  
Showing EXSEND Logo

void banner()  
Showing EXSEND Banner Logo

void menu\_ustatus()  
Showing EXSEND Banner Logo

void menu\_cstatus()  
Showing EXSEND Banner Logo

**Pseudocode**  
Program Start  
|  
Load database file  
 | Import City Name and IDs to Memory  
 | Import Graph to Memory  
 | Import Delivery Database to Memory  
 | Import User Database  
Show Menu  
 Sign Up  
 | Demand User Information for Registration  
 | Export to User Database  
 | Reload Database  
 Sign In  
 | Demand Login Information  
 | IF Yes; Continue;  
 While Sender  
 | Show Menu  
 | Demand User Input  
 Sender Name  
 | Insert Name  
 Receiver Name  
 | Insert Name  
 Sender Address  
 | Insert Sender Address  
 Pickup City Location  
 | Show all available location  
 Receiver Address  
 | Insert Receiver Address  
 Receiver City Location  
 | Show all available location **except pickup location** Run Dijkstra Algorithm from pickup location  
 | Calculate Price per km  
 | Show Price  
 | Show Est. Time  
 User OK!  
 | Export to Delivery Database  
 | Reload Database  
 | **Back to Menu**

While Sender [ Status Check ]  
 | Show Package Status according to User Name  
 Exit  
 **Back to Menu** While Courier  
 | Show Menu  
 | Demand User Input  
 | Show Delivery Job  
 Choose Delivery Job  
 | Run Dijkstra Algorithm if Source != 0  
 | Export Path to Memory  
 | Clear Linked List  
 | Export Read Path to Linked List  
 | Show Delivery Job Information and Route from Linked List  
 | Show Choices  
 Change Status  
 | Status change to Ongoing - Cancelled – Delivered  
 | Location Input  
 | Export Data to Delivery Database  
 | Reload Database  
Next or Previous Route  
 | Show Route according to choices  
 Exit  
 Show Main Menu  
Exit  
**Export All Memory Data to Database**  
Program Ended

Default Graph

global\_id  
 1 : Login Screen ( Username )  
 2 : Login Screen ( Password )  
 3 : Main\_menu  
 4 : Customer Menu  
 41 : Customer Menu 🡪 Sending Package  
 411 : Customer Menu 🡪 Sending Package 🡪 Demand Sender Name  
 412 : Customer Menu 🡪 Sending Package 🡪 Demand Sender City Location  
 413 : Customer Menu 🡪 Sending Package 🡪 Demand Sender Address  
 414 : Customer Menu 🡪 Sending Package 🡪 Demand Receiver Name  
 415 : Customer Menu 🡪 Sending Package 🡪 Demand Receiver City Location  
 416 : Customer Menu 🡪 Sending Package 🡪 Demand Receiver Address  
 5 : Courier Menu  
 42 : Customer Menu 🡪 Package Status Check

Daftar Pustaka :

<https://janeman.wordpress.com/2011/11/10/tips-dan-trik-menulis-proposal-skripsi-bagi-mahasiswa-it-yang-masih-awam-part-i/>