

EECS 22L: Taxi Cab Beta Release

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The fourth deliverable in the Taxi project is the beta version of the Taxi management program for the user, as well as the corresponding beta version of the program source code and documentation. While certain shortcomings are expected for the beta version (e.g. the routing is not optimal and/or few of the optional features are incomplete), the deliverables should give a good impression of the state of the implementation and provide a close "preview" of what the final release will be.

Specifically, two thirds(66%) of the final Taxi project features and functionalities should be available in the beta version. All known shortcomings and current limitations should be listed in the README file that accompanies the software packages.

For full credit (100%), your package should have the following minimum file hierarchy:

User/Customer Package (Taxi_Beta.tar.gz)

- **README** // author, version, date, general instructions, list of beta-version limitations...
- **COPYRIGHT** // author and copyright
- **INSTALL** // installation instructions
- **bin/** // binary directory
 - *taxi* // the executable program
- **doc/** // documentation directory
 - *Taxi_UserManual.pdf*

Source Code Package (Taxi_Beta_src.tar.gz)

- **README** // author, version, date, general instructions, list of beta-version limitations...
- **COPYRIGHT** // author and copyright
- **INSTALL** // installation instructions, just let the user type make is enough!
- **Makefile** // top-level, tool-specific Makefile, should support: `make`, `make test`, `make test-gui`, `make test-comm`, `make clean`, `make tar` (compress the source code package)
- **bin/** // binary directory, when the user types `make`, the executable or its symbolic link should be generated here, as well as logs
- **doc/** // documentation directory
 - *Taxi_UserManual.pdf*
 - *Taxi_SoftwareSpec.pdf*
- **src/** // source directory, with all source code, test files and Makefile

- *Makefile* // lower-level Makefile for sources
- *taxi_server.c* // maybe other modules and header files: *taxi_client.c*, *config.c*, *types.h*
- *test_comm.c* // check the communication between client and server for different types of requests
- *test_routing.c* // check the optimality of routed paths given certain number of customer requests
- *test_accounting.c* // check accounting module's functionalities

Notes:

README example: This is a beta version taxi software, to install, please type "make", for more detailed instructions, refer to the user manual.

INSTALL example: Type `tar -xvzf TaxiBeta.src.tar.gz`, then `cd TaxiBeta.src`, then `make`.

The above is fine. Keep **README, INSTALL, COPYRIGHT** brief. Guide the user to refer to the user manual or the developers to software spec for more details.

You can add other folders to your package if necessary, such as GUI libraries, resources (images/fonts/maps), etc.