

Transport4You: an Intelligent Transportation Manager

User Guide

1 Before start

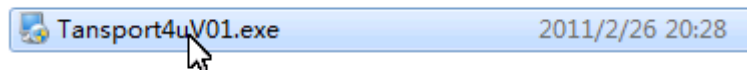
To run our program, you need .NET 3.5 framework. Before installation, please make sure your machine has it ready.

This is a short guide on software install/uninstall and how to use PAT to run PAT guided test. Detailed usage of the **Transport4You Simulator** and the **User Behavior Analyst** is shown in the demonstration video on Youtube:

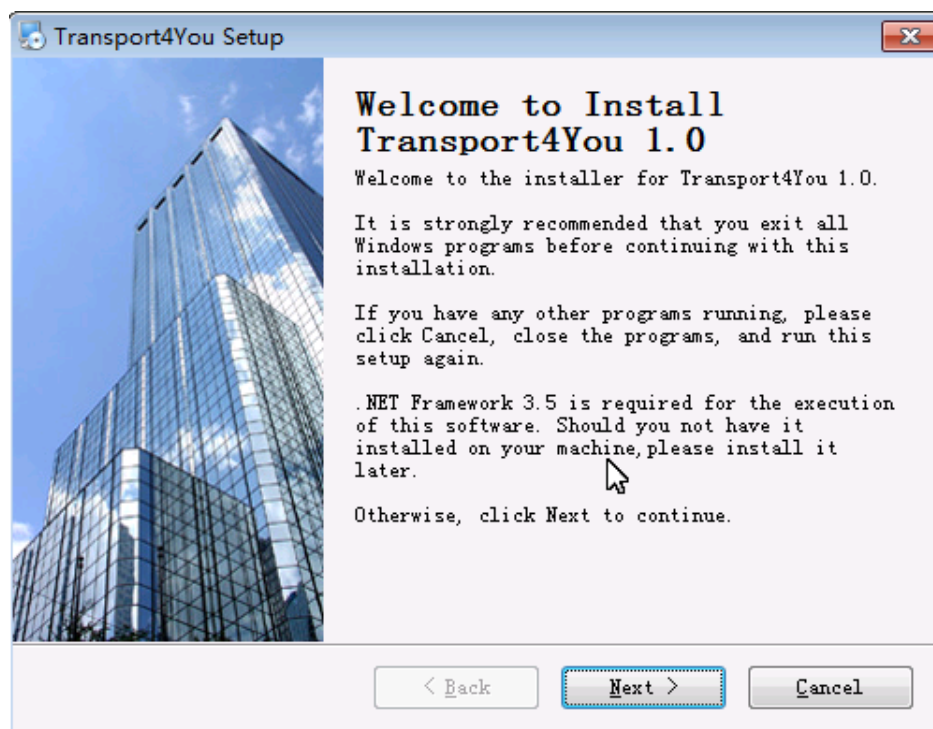
<http://www.youtube.com/watch?v=60Tw-EUNazE>.

2 Installation

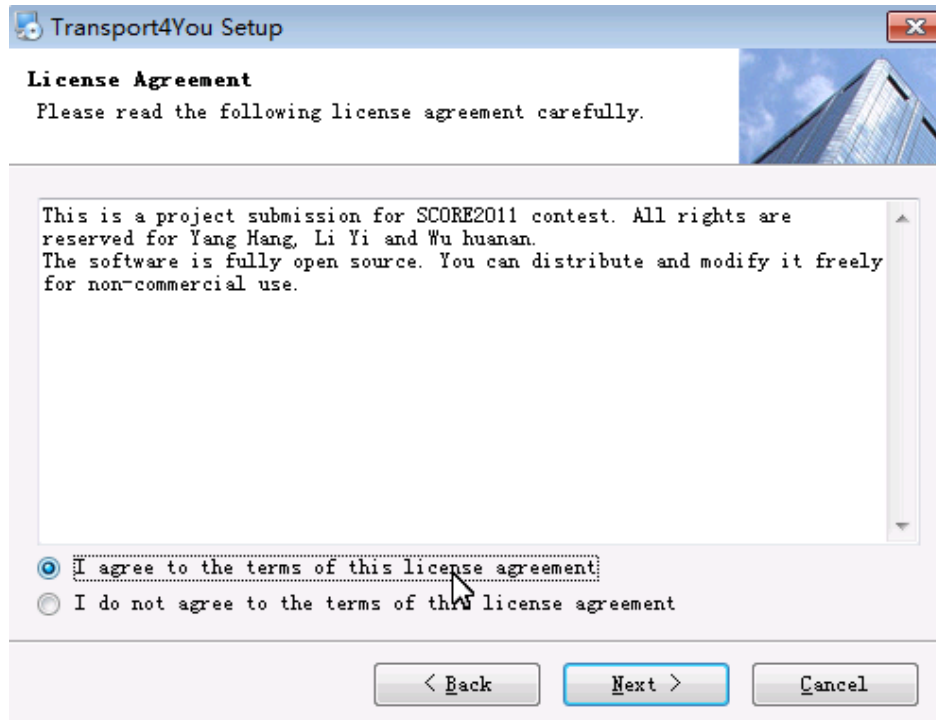
- Step(1): Launch the Installation Program "Transport4YouV01.exe".



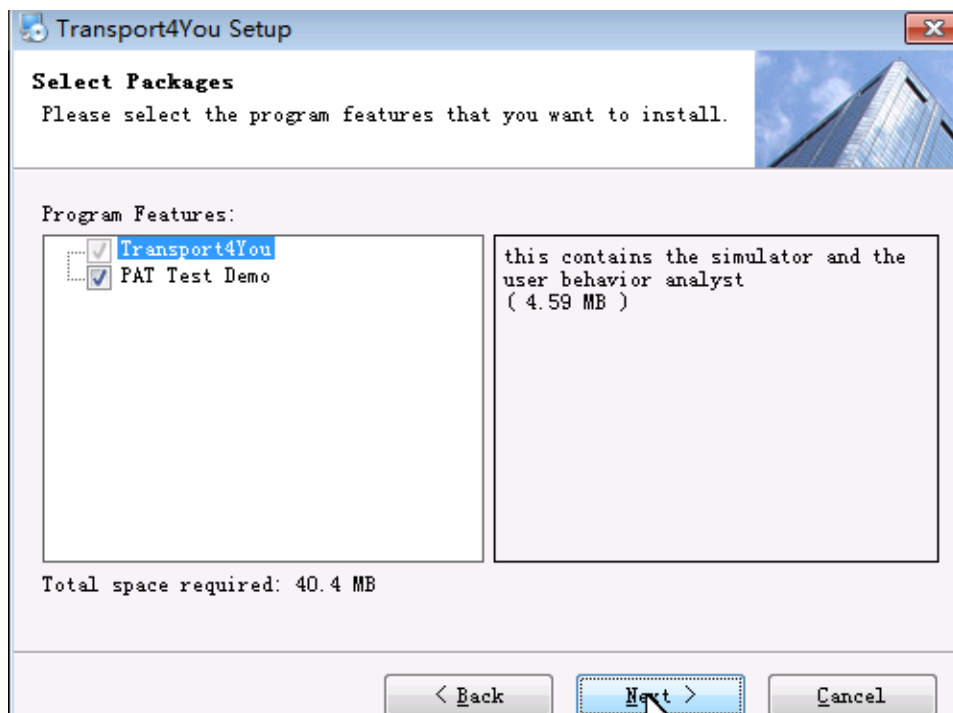
- Step(2): Click "Next" Button



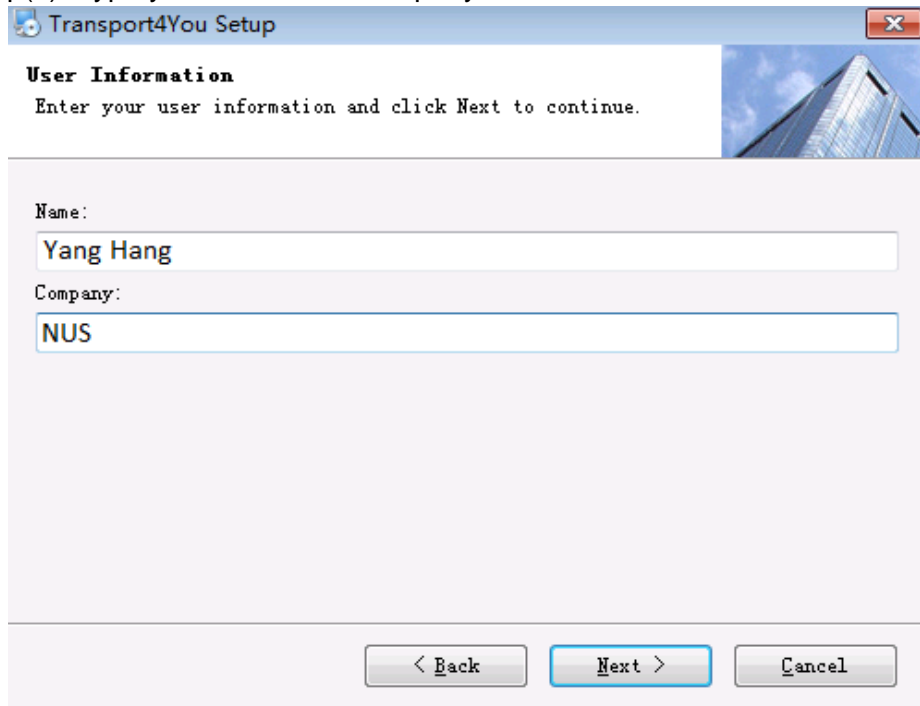
- Step(3): Read the License agreement. Choose “I agree to the terms of this license” and click on “Next” button, otherwise click on “Cancel” button to stop the whole installation process.



- Step(4): Choose packages to install. Package “Transport4You” which contains the **Transport4You Simulator** and the **User Behavior Analyst** is compulsory while the PAT Test demo is optional. Click “Next” after you finish choosing. Installing PAT Test Demo will enable you to running our test model and generate test cases.

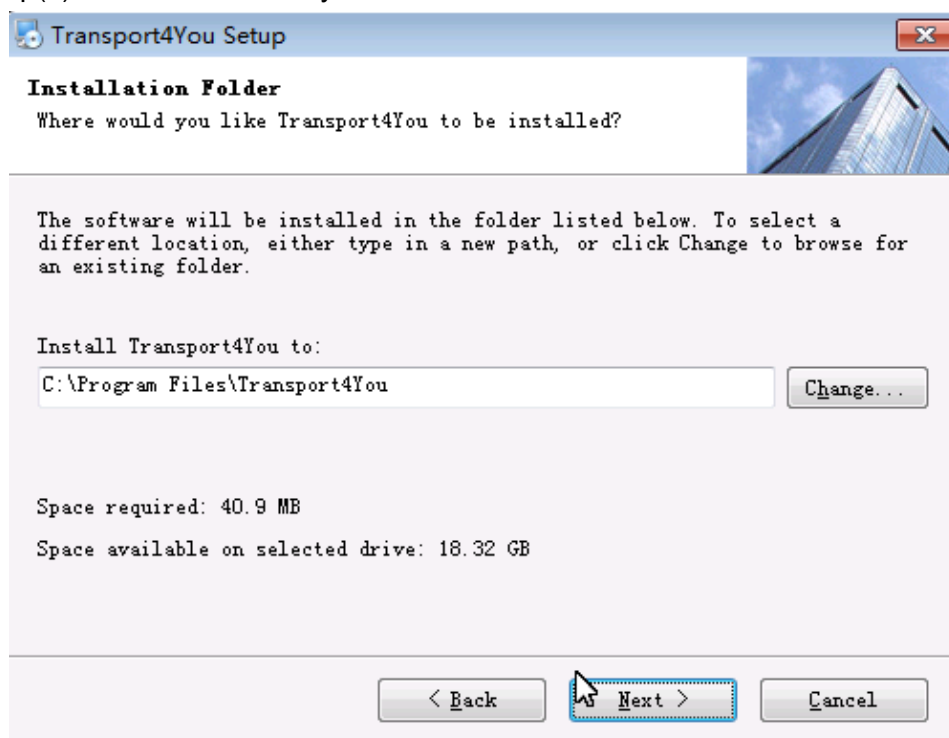


- Step(5): Type your name and Company and then click “Next” button.



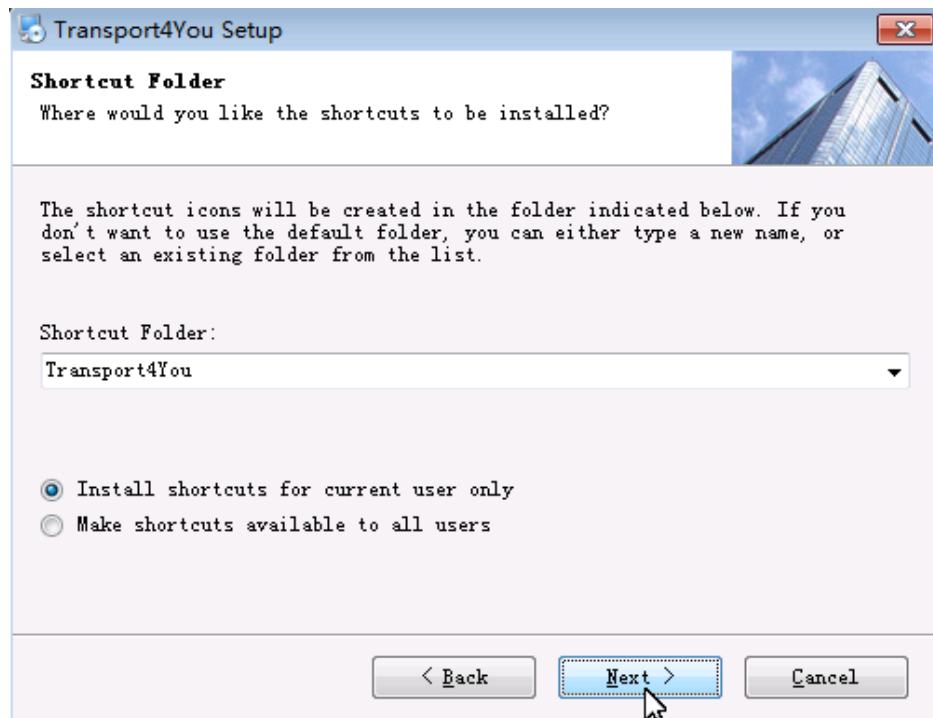
The screenshot shows the 'Transport4You Setup' window. The title bar says 'Transport4You Setup'. The main heading is 'User Information'. Below it, a message says 'Enter your user information and click Next to continue.' There are two text input fields: 'Name:' with the text 'Yang Hang' and 'Company:' with the text 'NUS'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

- Step(6): Choose a directory to install. Then click “Next”.

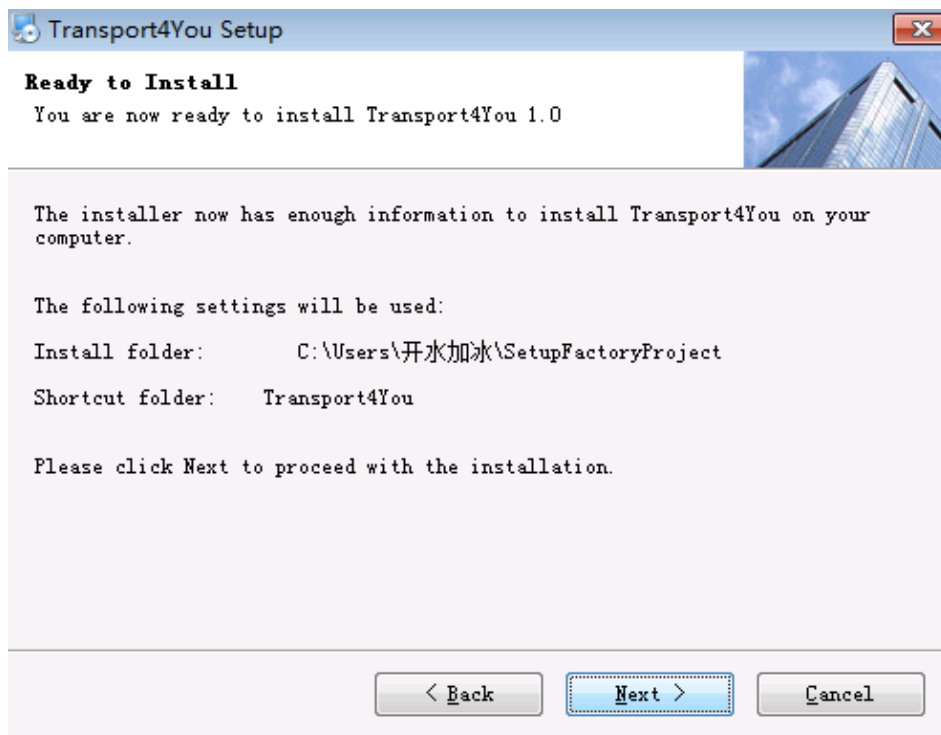


The screenshot shows the 'Transport4You Setup' window. The title bar says 'Transport4You Setup'. The main heading is 'Installation Folder'. Below it, a message says 'Where would you like Transport4You to be installed?'. There is a text area with instructions: 'The software will be installed in the folder listed below. To select a different location, either type in a new path, or click Change to browse for an existing folder.' Below this, there is a text input field labeled 'Install Transport4You to:' containing the path 'C:\Program Files\Transport4You'. To the right of this field is a button labeled 'Change...'. Below the path field, there are two lines of text: 'Space required: 40.9 MB' and 'Space available on selected drive: 18.32 GB'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border and a mouse cursor is pointing at it.

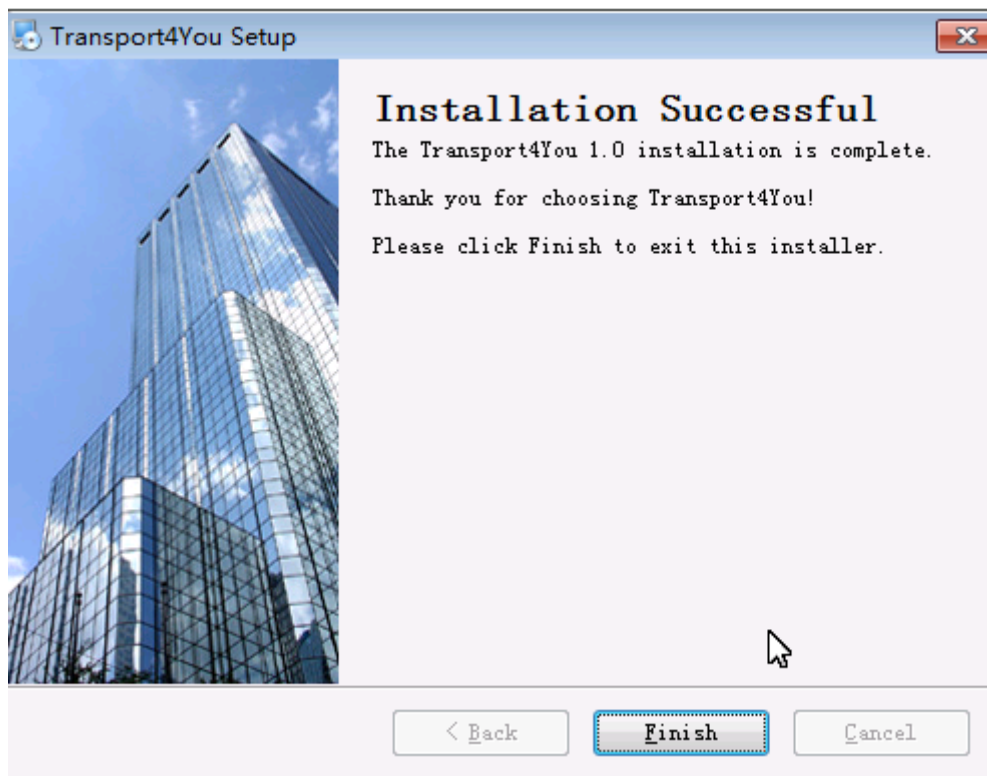
- Step(7): Type your Shortcut Folder Name which will be created in your “program” List on Windows. Next, choose to install the product for current log-in user or for all users. Next, click “Next” button.



- Step(8): Check where the options as exact as you wish and click “Next” button. Otherwise, click “Back” button to move backward and modify them.

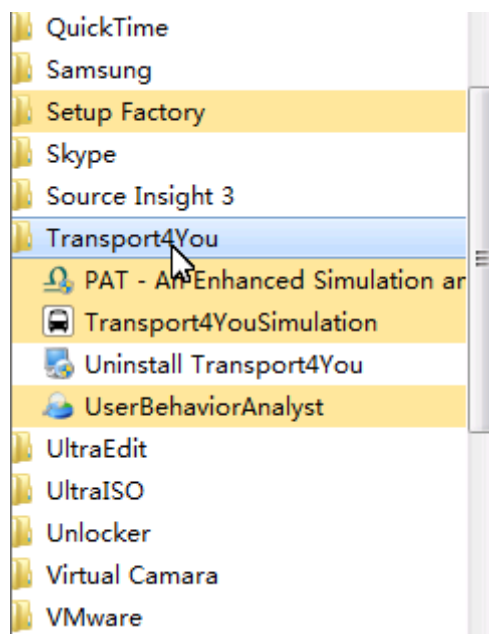


- Step(9): Waiting the program finishes installation. Next, Click “Finish” button.

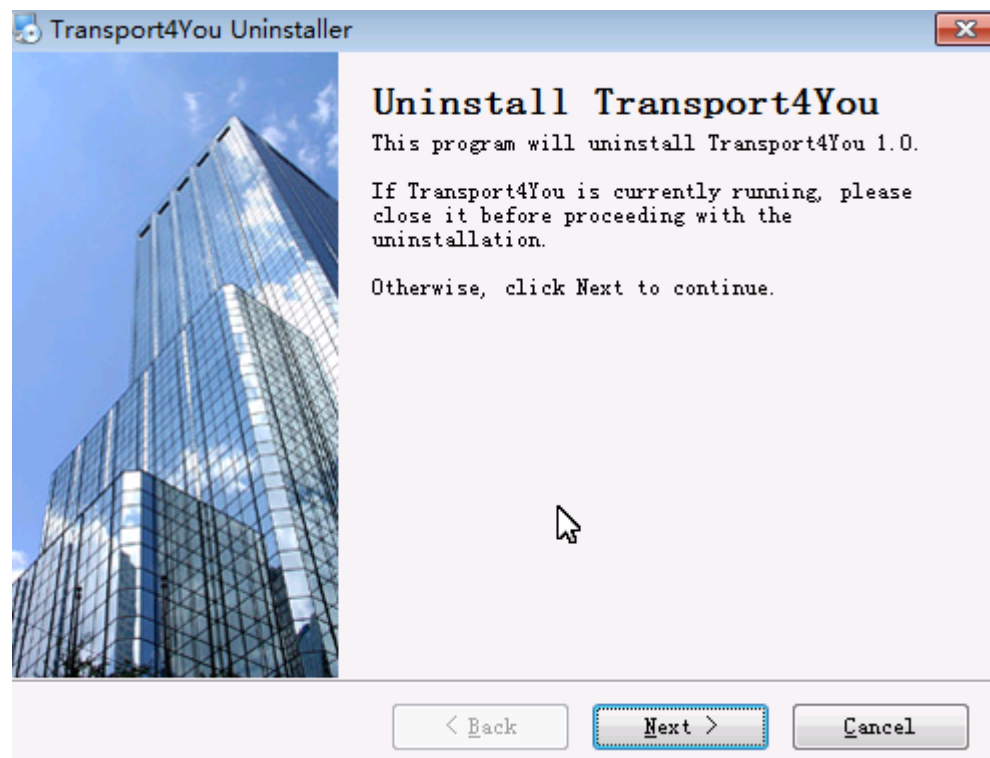


3 Uninstall

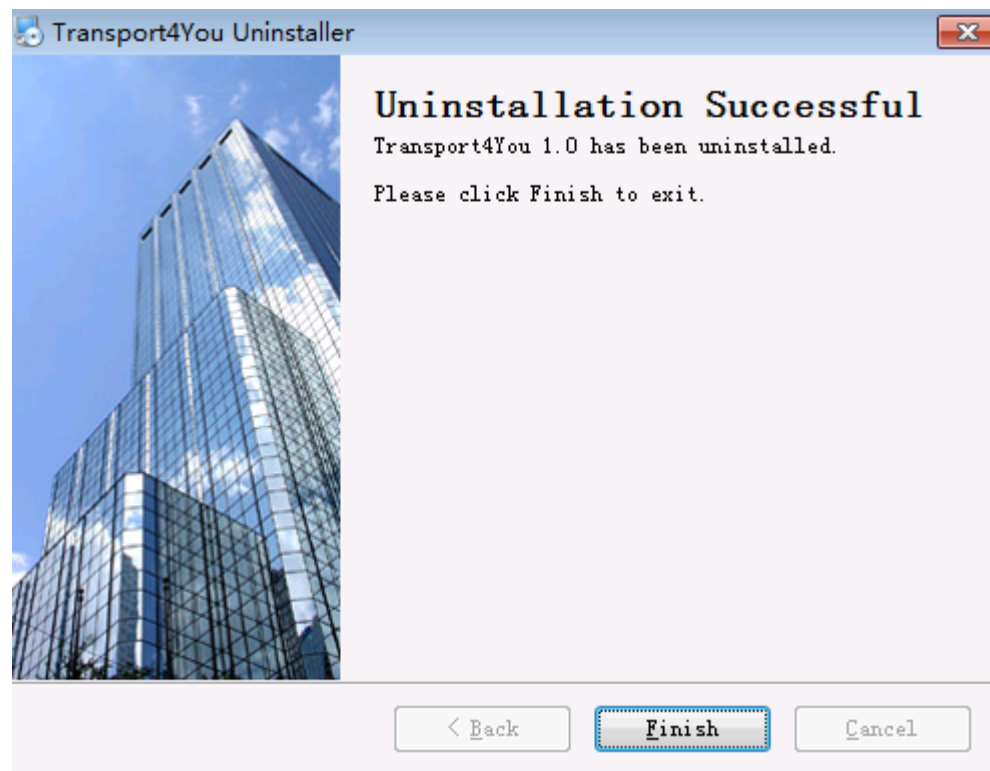
- Step(1): Click "Start" –"program" or "all program" to open the program shortcut list. Next, Find the folder you choose to install before and then click to open it. Next, Click "Uninstall Transport4You"



- Step(2): Click "Next" button.



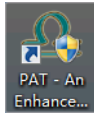

- Step(3): Wait the program to finish uninstall. Next, Click "Finish" button.

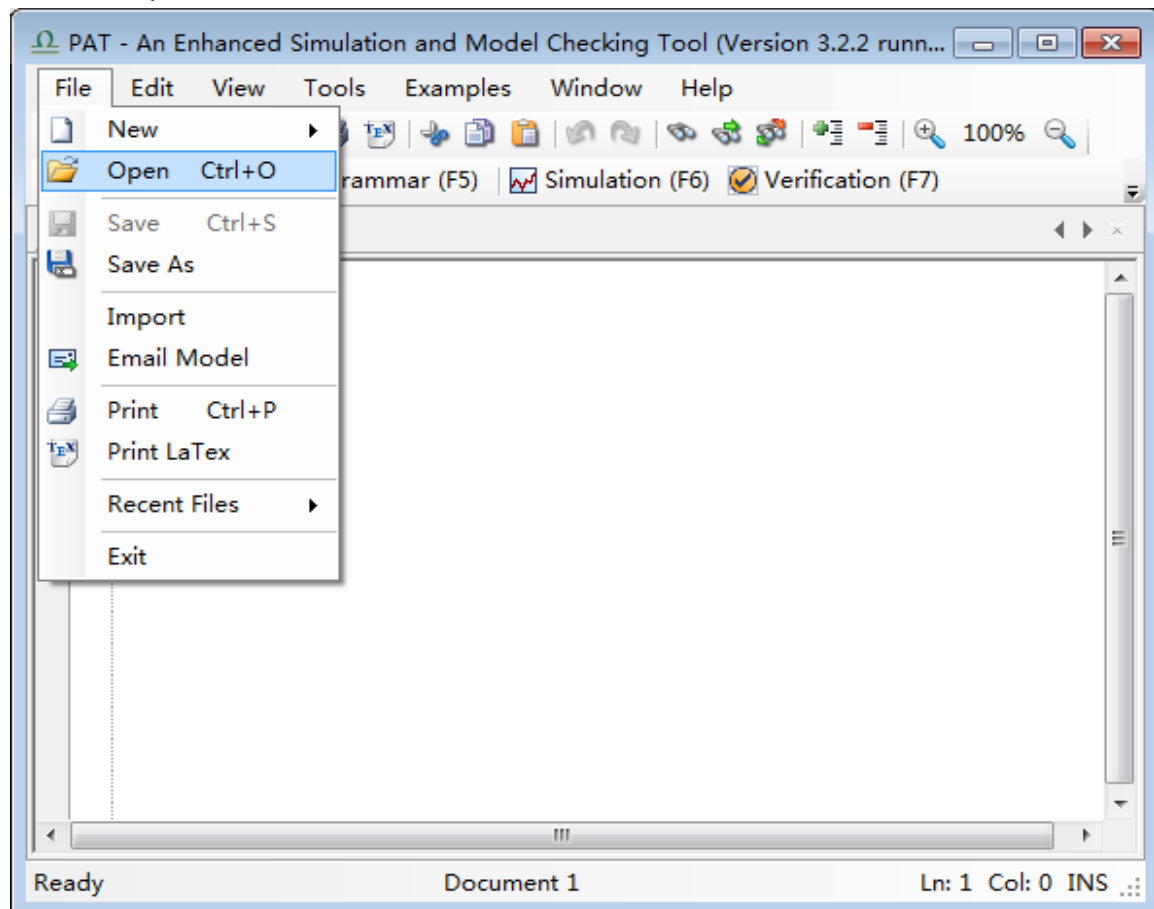


4 PAT Guided Test

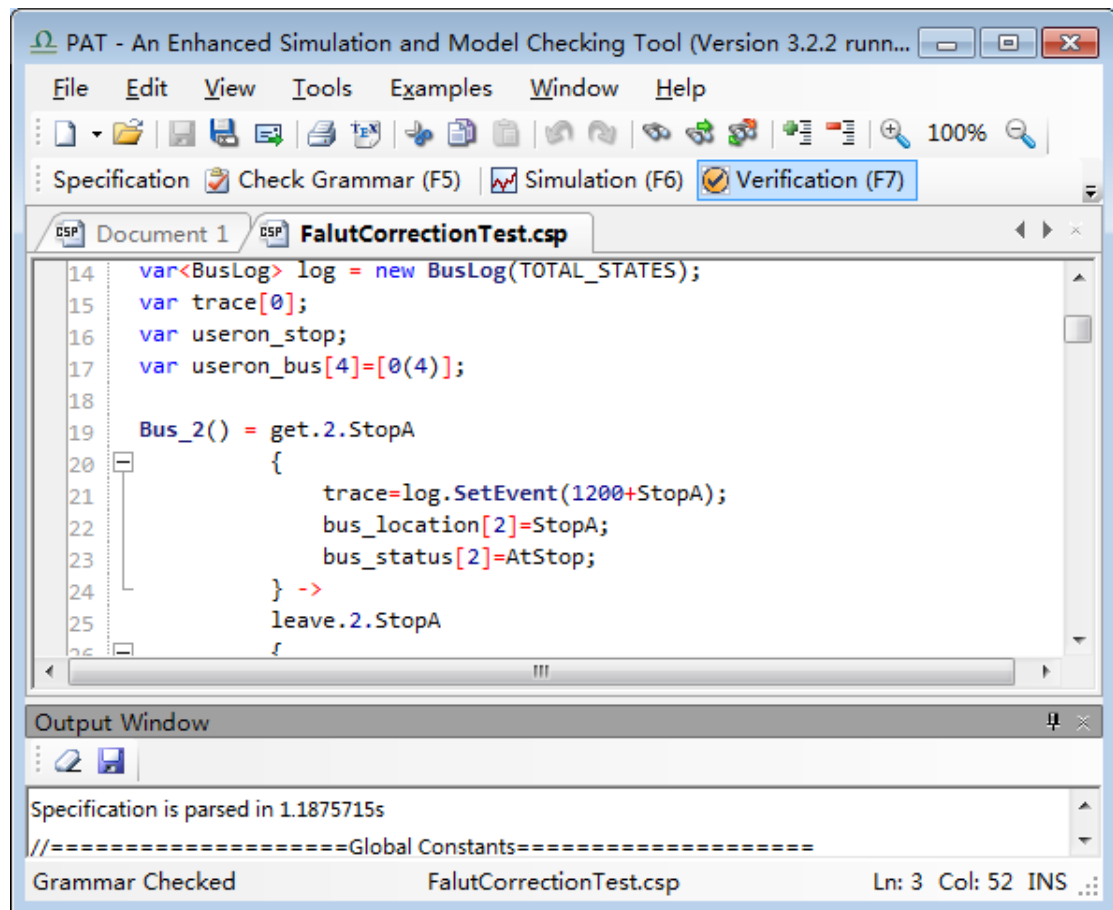
This part is only useful if the package of PAT test demo is installed.



- Step(1): Double-click  on the desktop or click  PAT - An Enhanced Simulation and Model Checking Tool on program shortcut list to start PAT.
- Step(2): Choose the menu "File" – "Open". And then load "FaultCorrectionTest.csp" which is the test model for Fault Correction test, or "PatServiceTest.csp" which is the test model for Route Plan test. The files are all located under the PAT installation directory.



- Step(3): Click  to start the verification window.



- Step(4): Double-click `1 Sys 0 deadlockfree` and wait patiently until the verification finishes. You can find the test results in the installation folder of PAT, with a file named "BusLog.txt" or "planLog.txt".