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| **Title** | **Transportation management system** |
| **Description** | System for managing transportations, drivers and schedules for both.  In your system you have different types of transportations and their cost.  Each driver has the following data:-   * Name * Age * Telephone * Type of transportation that he drives.   In the schedule you have departure and arrival time of each vehicle and its route.  A user can search in the schedule by one or more of the following criteria :-   * Destination * Vehicle type (bus, taxi, train, toktok…etc.) * Departure time * Arrival time   After displaying the result you will allow the user to choose one of the results and book a ticket (if available).  After the user book a ticket you will display the driver information with his telephone number to the user.  In this project, you have to think of the design and implement the OOP concepts that you studied. |
| **Group size** | 3-4 member |
| **Duration** | 3 weeks |
| **Deliverables** | * C++ Windows form application performs the required system (Data is stored in DB or file) * Well-designed project (i.e. classes, relations) * Project’s documentation: * The project name. * The team members; names and sections’ numbers. * Description of the project and what you have done. * Snap shots of the project and how it works. * Please, add some code snippets from your project. |
| **Bonus extensions** |  |
| **Mentor** | T.A. Marwa Raafat |
| **Notes** |  |