

Car Park Lines Project – Design Considerations

Background:

- You are considering the development of an application for the automated drawing of car park lines for a range of companies looking to establish a car park with an optimum car parking lines configuration.



Source: dreamstime.com

Activity:

1. You are looking to meet with your development team. Suggest some considerations / criteria that you might need to discuss and investigate.
2. In broad terms, what approach and/or solution might you consider for this application? (EG: Phone-based, PC-based, web based?)
3. In considering the setup of the larger computer application, how do you think the associated data might be stored?
4. Consider and draw some sample screens for your potential software solution. How might your design(s) make allowance for the screen displays on computer tablets? On phones?
5. Are there any potential current technologies that might possibly assist in the planning, design and development of this software project?
6. Suggest an algorithm (flow chart, pseudo code, description, dot-point steps) for the storing of car park layout data.
7. Suggest an algorithm (flow chart, pseudo code, description, dot-point steps) for reading and displaying the car park layout data.
8. Are there potentially any copyright, privacy or ethical considerations that you might need to be mindful of in relation to this project?