

Criterion E: Evaluation

Meeting Success Criteria

The solution displays the layout of the mall's parking lot in relation to its designated areas (Retail, food, entertainment, beauty).	Met.
Solution will select a parking spot, based on input by patron, corresponding to the patron's desired destination area.	Met. However this was done by designating clusters of parking spots as within proximity of the desired area. Therefore, if all parking spots within the cluster are full while the nearest cluster has an empty spot, the patron still has to return to the first page and refer to the layout and pick the area of the mall closest to their desired area.
Solution will track empty and taken parking spots.	Met.
Solution will state unavailability of parking spots when applicable.	Met. However, as stated above, this is only displayed for clusters of parking spots based on their designation.
Solution will increment and track parking fee in real time.	Met.
Solution will allow patrons to input parking spot number to check accumulated fee.	Met.
Solution will allow patrons to check out and open up paid for parking spots.	Met.
Solution will display to client revenue earned from parking spots daily.	Not met. While client will have access to the database, it would have been preferable to display revenue as part of the solution's interface.
Solution will be presented in an unobtrusive, aesthetically pleasing interface.	Met. Client was pleased at its appearance.

Recommendations for Further Development

Upon meeting with the client and presenting the solution, several recommendations were discussed in addition to the success criteria:

- Graphical representation of taken parking spots
 - Use of coloured markings on taken parking spots displayed on the parking layout on the initial page would aid client in observing parking activity throughout the day alongside the database. Patrons of the parking space could more easily find their assigned parking spot location if marked on the layout.
- Provide an admin page of the solution
 - This would provide additional functions specific to the client such as tuning the parking fee rates without having to alter the code directly, and closing off parking spots for VIPs, with appropriate security measures (login and passwords) and data validation methods.
- Allow solution to assign closest parking spot beyond the cluster designated for the desired area of the mall.
 - While the client is satisfied with the feature as it is absent in competing solutions, he felt that it could be expanded upon as above, to provide a more streamlined experience for patrons. This would greatly increase the complexity of the code, and PHP may need to be replaced with a language better suited at OOP to manage every single parking spot/cluster.