

A2: Domain Model

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UML Class Diagram

The arrowhead to `Hotel` from `Availability` has `0..1` next to it because `hotel` is an optional parameter to `Availability`. We felt this was the most accurate way to represent that relationship, hopefully that assumption is appropriate. It should also be noted that `filter` appears in both `Hotel` and `Room`, and is meant to be a placeholder for any sort of boolean preference variable, e.g., `gym` in `Hotel` etc.

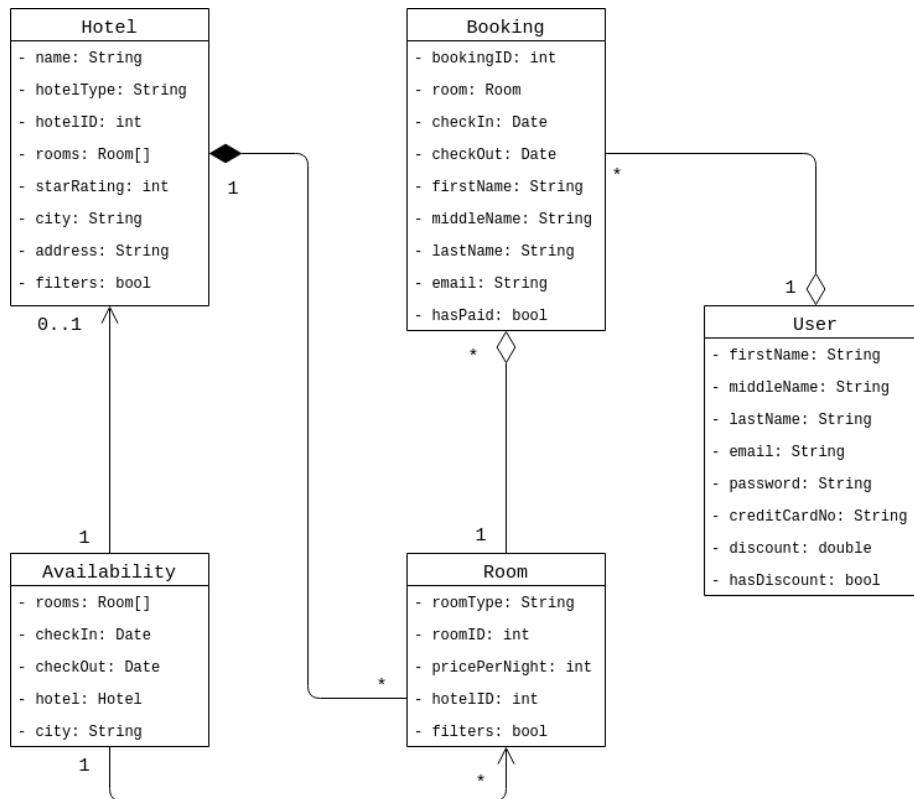


Figure 1: UML Class Diagram