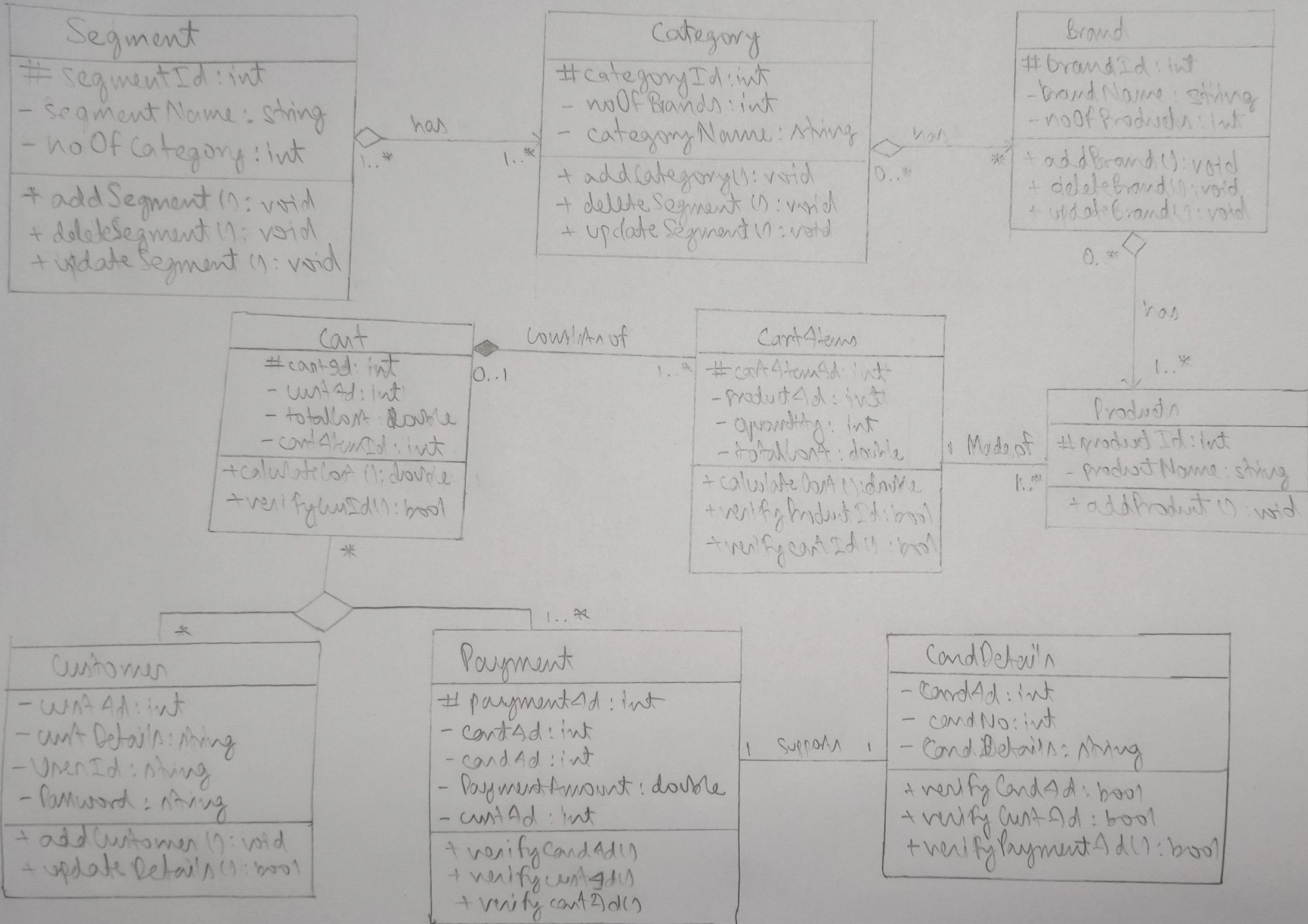


NAME: KAMRAN ANSARI

REG NO: 22MCA0223



Model → Parameters	Waterfall Model	Incremental Model	Spiral Model	RAD Model	Iterative Model	Agile Model	Prototype Model
Planning	Early-stage planning is needed	Early-stage planning is needed	Early-stage planning is needed	Early stage planning is not required	Early-stage planning after each iteration.	Planning is needed but not too much	Early-stage planning not required.
Handling of large projects	Can't handle large projects	Can't handle large projects	Used for large projects	Can handle large and small projects	Can handle large projects	Can't handle large projects	Used for large projects
Documentation	Detailed documentation is needed	Detailed documentation is needed but not much	Detailed documentation is necessary.	Detailed documentation is needed but not much	Detailed documentation is needed but not much	Detailed documentation is needed but not much	Detailed documentation is not needed
Cost/Budget	Low Cost	Low Cost	Expensive	Low Cost	Medium Cost	Expensive	Low Cost
Flexibility to change	Difficult	Easy	Easy	Easy	Difficult	Easy	Easy
User Involvement	Only in the beginning	Intermediate	High	Only in the beginning	High	High	High
Maintenance	Difficult Maintenance	Easy maintenance	Typical maintenance	Easy maintenance	Easy maintenance	Easy maintenance	Routine maintenance

Duration	Long duration for initial delivery	Frequent delivery	Low duration	Long duration	Long duration	Low duration	Long duration
Risk Analysis	High risk	Low Risk	Medium to High risk	Low risk	Medium risk	Medium risk but easily maintainable	High risk
Testing	Done only after coding phase	Done after every iteration	Done after engineering phase	Done after coding phase	Done after every iteration	Done after development phase	Errors are detected early
Team Size	Large team is required	Small team required	Large team required	Small team required	Large team is required	Small team is required	Small team is sufficient
Reusability	Least possible	Possible to some extent	Possible to some extent	Offers reusability	Possible to some extent	Offers reusability	Offers reusability