

## SE-410 Homework #3

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### *1.) Describe the main features of the Z specification language.*

Its expressions are typed, which is an object that describes how an element or elements behave, which allows it to avoid being vague or interpreted different and avoids some of the paradoxes of the set theory

### *2.) Discuss the applications of Z and which areas have benefited most from their use?*

#### *What problems have arisen?*

The software development industry has benefitted from the use of formal methods, specifically Z because of its abstraction which is useful for software and its ability to dynamically change with the changing requirements that can occur when developing software

## References

<https://www.cs.umd.edu/~mvz/handouts/z-manual.pdf>

[https://en.wikipedia.org/wiki/Z\\_notation](https://en.wikipedia.org/wiki/Z_notation)