

Group 5 Architecture

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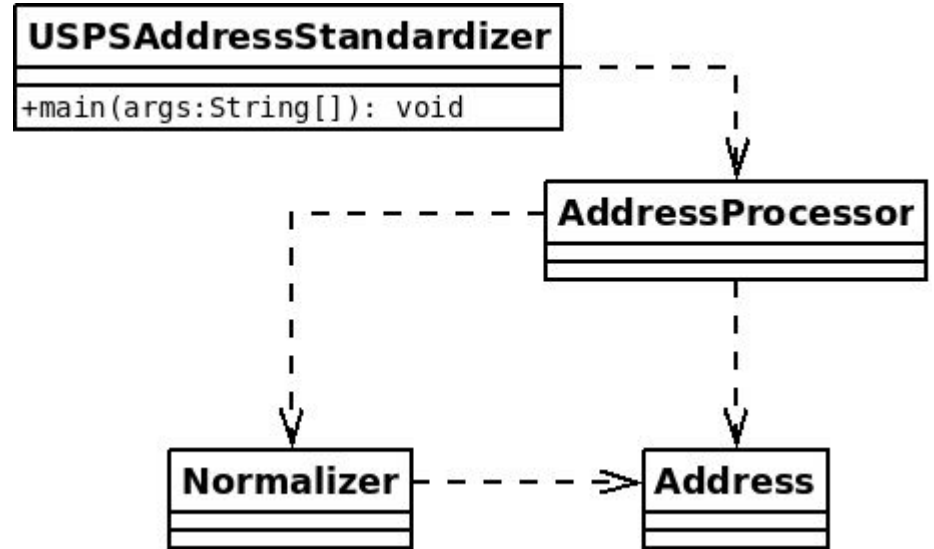
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Architecture: N-Tier

- High Modularity
- High Decoupling
- Easy to make a working release
- Information hiding is weaker with this architecture, but not a concern for this project



Decoupling

- Using well-defined interfaces enables independent tiers
- Each tier only needs to worry about its own responsibilities
- Implementation changes in one tier does not affect other tiers because of interfaces

Language Choice: Java

- Existing proficiency level
- Java has extensive GUI libraries
- Java has excellent regex support, which will be invaluable to the normalization process.

Future Additions

- Modularity is high in N-Tier architecture
- Database addition only affects only the IO tier, USPSAddressStandardizer
- An addition of AI can be incorporated depending on the function of said AI