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# Web Frameworks



# Web applications?

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- ▶ Web application is an application accessible over the internet
- ▶ Web framework is a software framework design to support development of web applications (dynamic)
  - ▶ Eliminates a lot of overhead
    - ▶ Database access
    - ▶ Session management
  - ▶ Promotes code reuse



# Is creating web applications a problem?



# Is this the real problem?



# Features of a modern web application

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- ▶ MVC (Model – View – Controller Architecture)
  - ▶ Model deals with data and business logic
  - ▶ View deals with inputs and result display
  - ▶ Controller manager the flow
- ▶ ORM (Object-relational-mapping)
- ▶ Validation
- ▶ Unit-testing facility
- ▶ AJAX facility
- ▶ Easy web-service facility