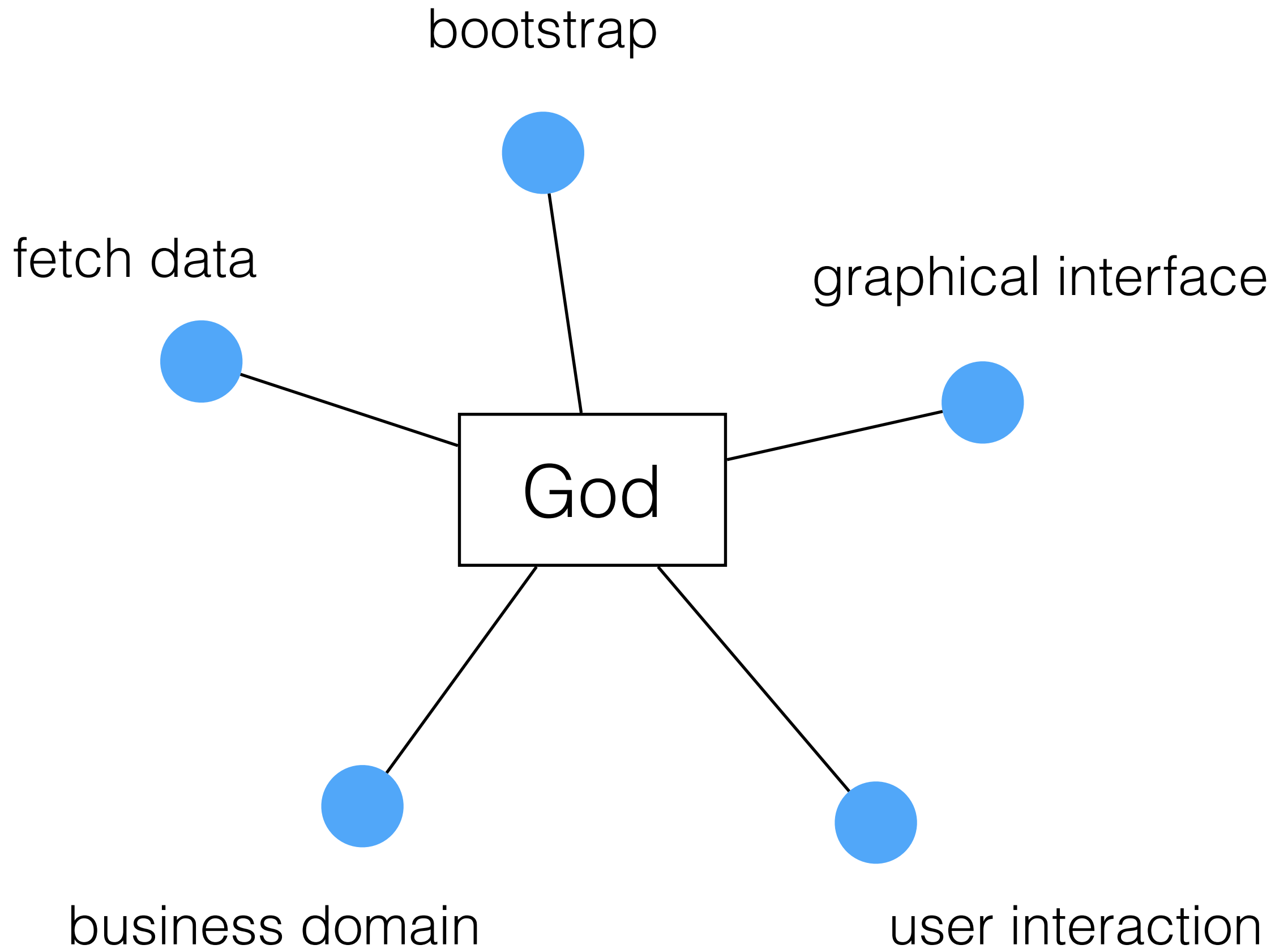


MVC

Supplementary presentation to exercises
ESE 2016, University of Bern
Manuel Leuenberger

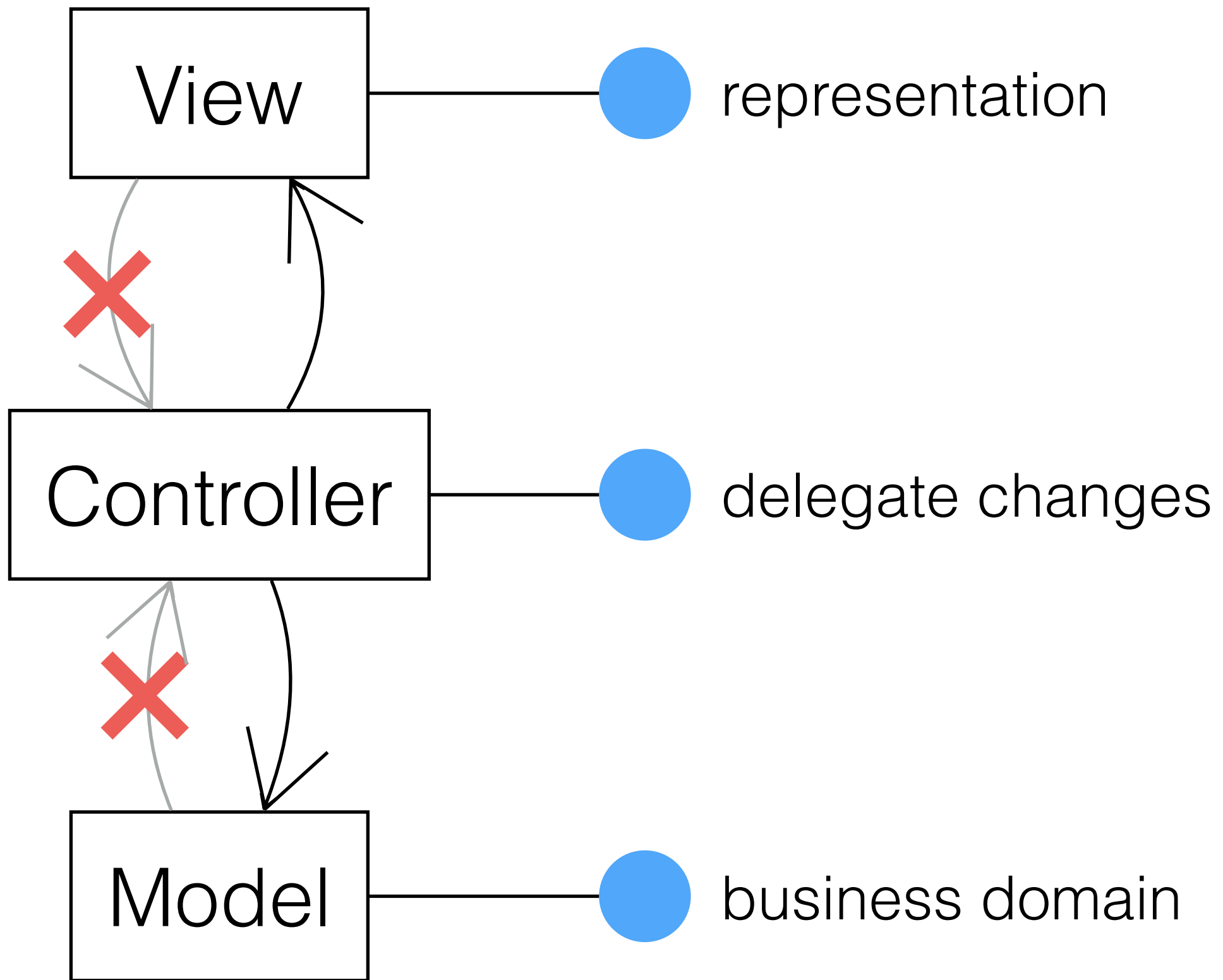
God's Tinder

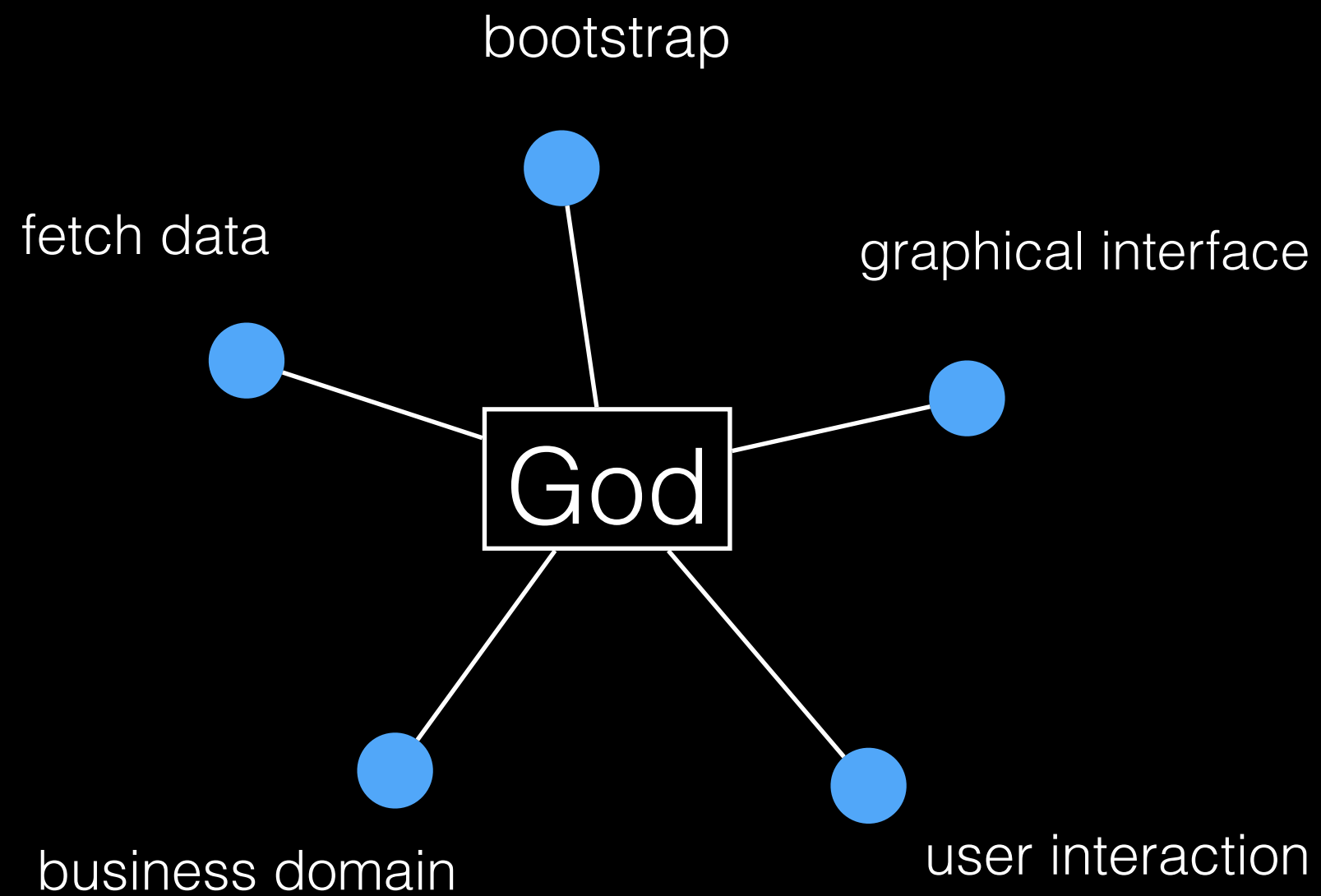


Architecture
to the rescue!

manage complexity
enable reuse

Model
View
Controller





Spring MVC

Request lifecycle

- user navigates to URL
- request is mapped to **controller** method
- **controller** loads **model** by id
- **controller** pipes model data into **view**
- user gets rendered **view** as response

Tip

- become fluent in the web **vocabulary**
- understand concepts of used **technologies**
- HTTP: request & response, headers, body, method, status
- URL: host, path, query, hash, URL-encoding
- HTML: element, attribute, form-control
- CSS: selector, property, position, display
- JS: jQuery, JSON, DOM
- Documentation: [RFC](#), [MDN](#), [stackoverflow](#), [W3C](#), [JavaDoc](#), [Guides](#)

Summary

- **m**odel, **v**iew, **c**ontroller
- architectural style, not a design pattern
- divide & conquer
 - **model** is business domain: state & behaviour
 - **view** represents **model**
 - **controller** delegates changes between **model** and **view**
- responsibilities are clearly defined without overlapping