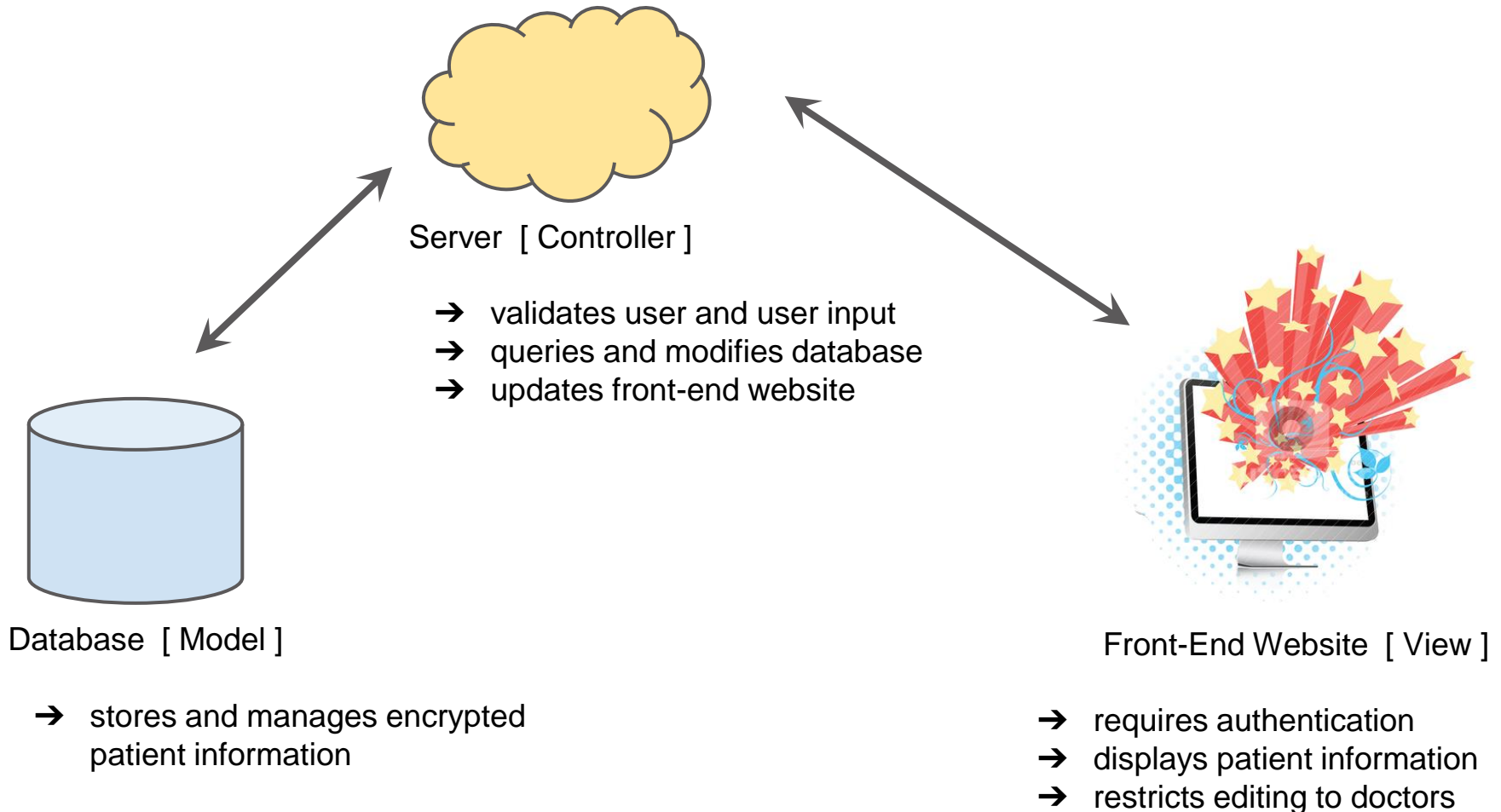# Universal Electronic Dental Records

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- Consolidates electronic dental records for easy information exchange between clinics
- Reduces amount of busywork for dental staff
- Allows patients control over record distribution

Architecture

Model - View - Controller Architectural Pattern

Server [Controller]

➔   validates user and user input
➔   queries and modifies database
➔   updates front-end website

Database [Model]

➔   stores and manages encrypted
     patient information

Front-End Website [View]

➔   requires authentication
➔   displays patient information
➔   restricts editing to doctors

Challenges and Risks

- Challenge: gain and maintain trust
- Requires HIPAA compliancy for confidentiality and privacy
- Research privacy concerns of dentists and patients
- Secure login (ie. 2fac authentication)
- Data integrity