

Depression Analysis

Seminar IBM Watson – Final Presentation

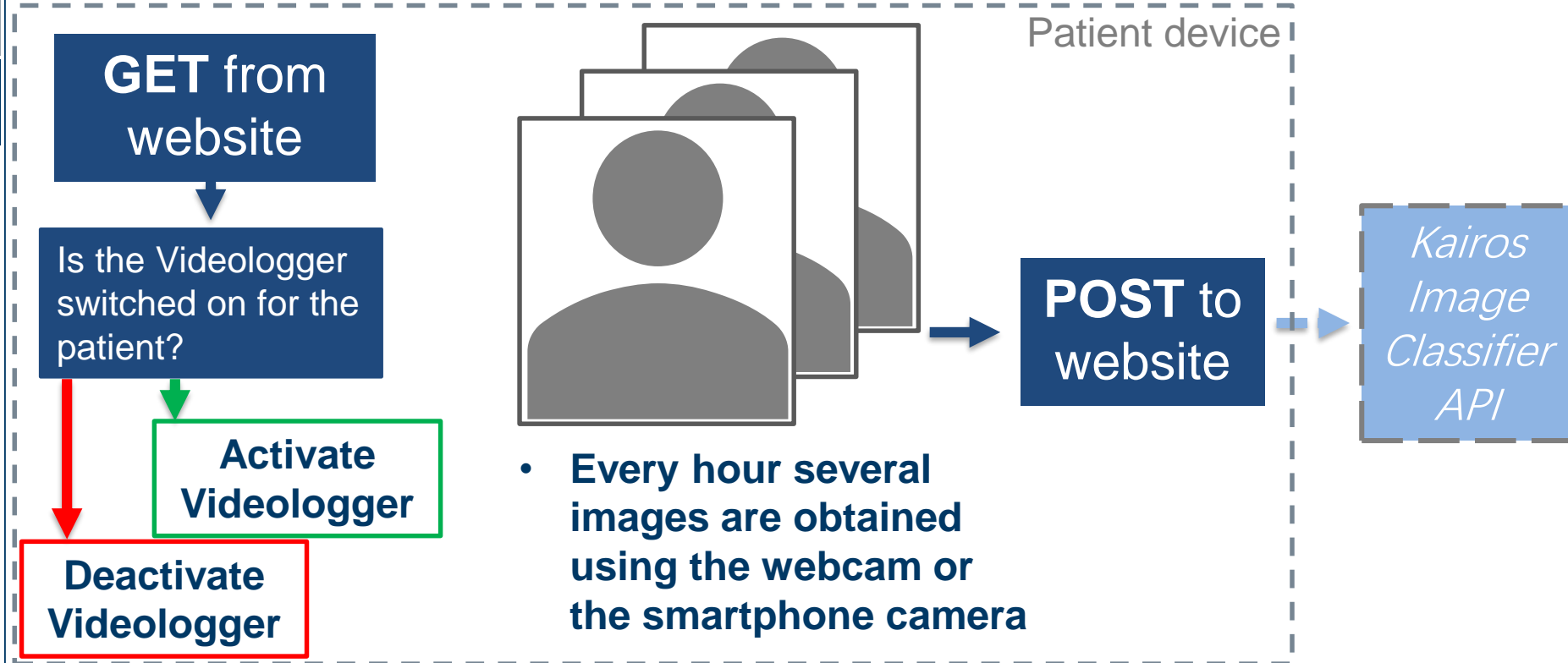
Benedikt and Lukas



Keylogger

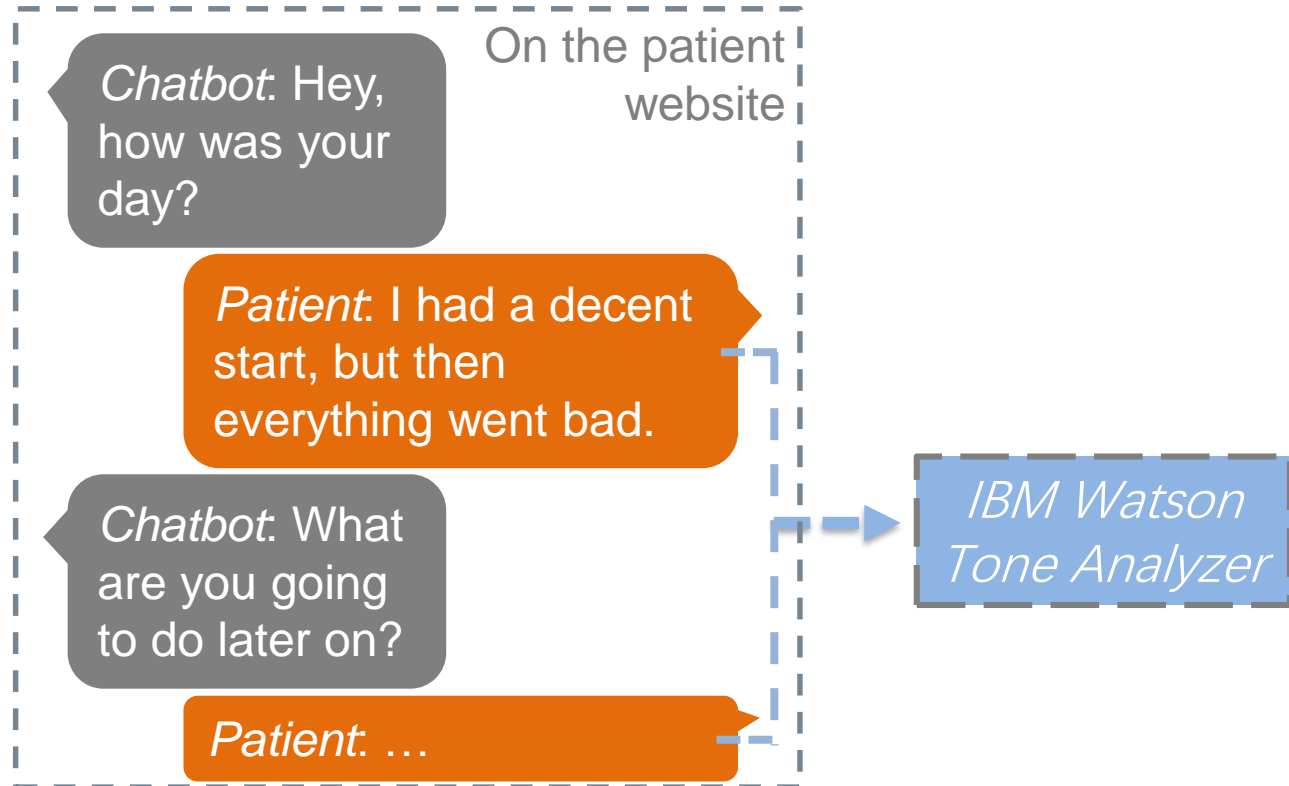


Videologger



Chatbot

- Chatbot asks question about the current mood, strongest feelings and activities at that day



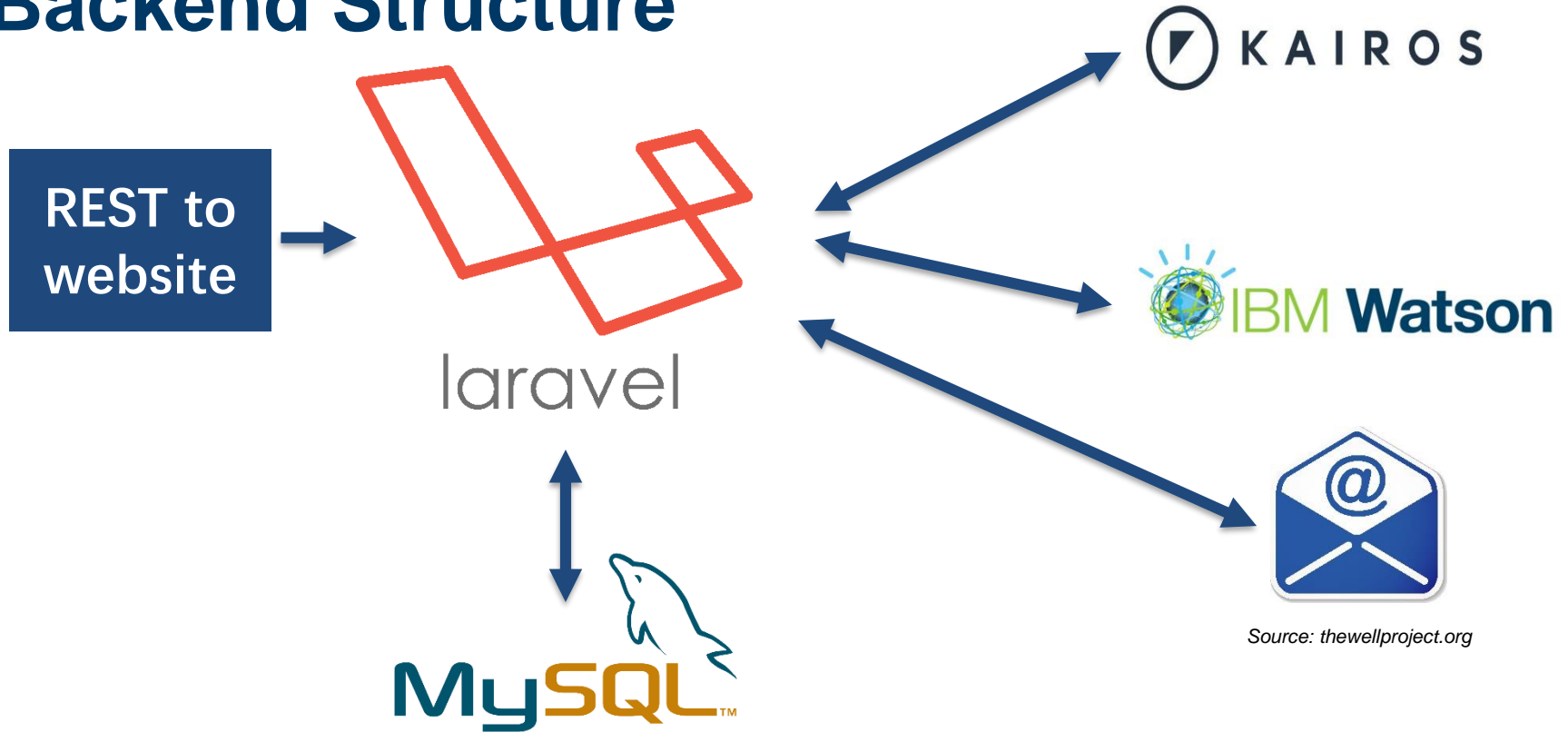
Privacy

- The Keylogging and the Videologging deeply invade the patients privacy
- To use the Depression Analysis Software the patients would need to sign an agreement
- Important to log only the patient data and any other persons data
- Encryption of the data transfer between patient device and the website



Source: legaldesk.com

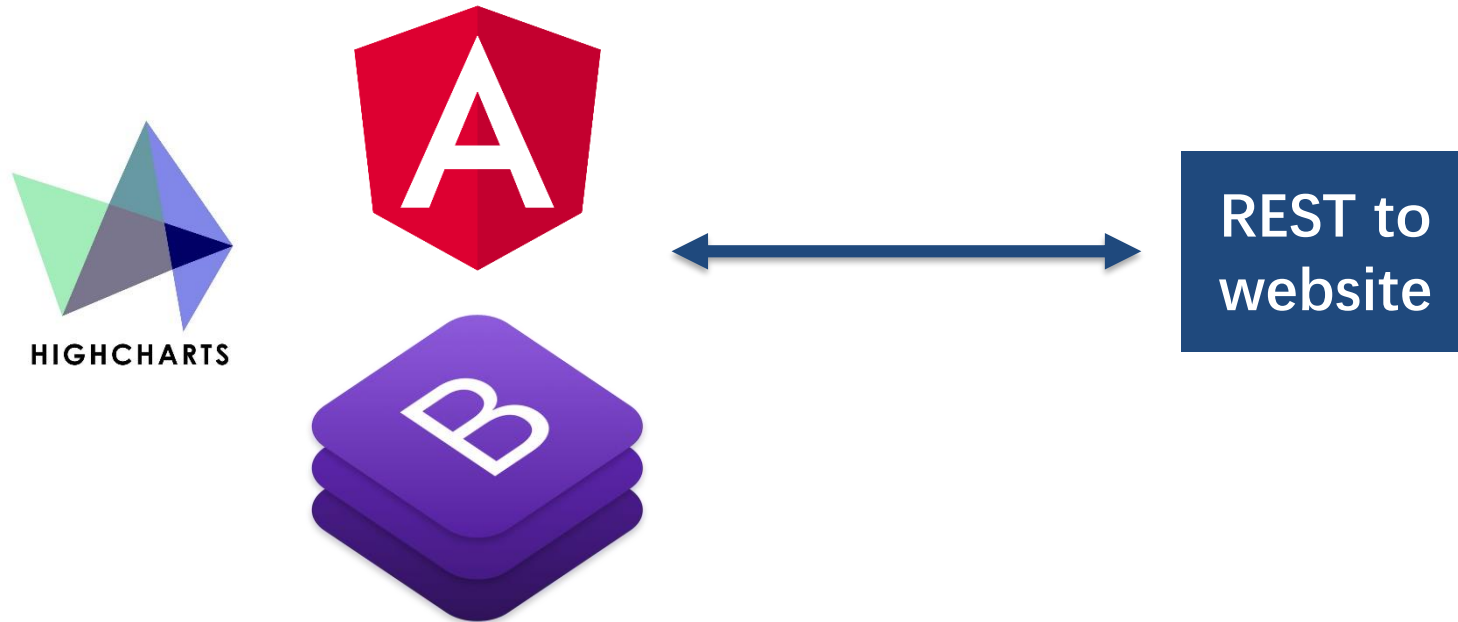
Backend Structure



Laravel

- **PHP Framework**
- **Works with ORM for Database communication**
- **Job Backend for asynchronous workload**
- **Routing**
- **REST API**
- **Build in JWT Authentication**
- **Possible connection to AWS and Google Cloud for storage**

Frontend Structure



Angular

- **Typescript based frontend Framework**
- **Compiles Typescript into Javascript**
- **Two way binding and datatypes**

Bootstrap

- **CSS Framework**
- **Originally developed by Twitter**
- **Defines classes for responsive design**

Deployment Structure

