# Problem at hands:

- Tracking wine prices from different online stores in an effective manner

# Approach:

- Brainstorming all the possible scenarios for the final product
- Choosing adequate tools for our project's needs
- Organizing the team by tasks
  - Web scraping
  - Database
  - Dashboard

# Project Advantages:

- User-friendly dashboard that can track all the desired wines
- Simple and organized database (MySQL)
- Evolution and history of wine prices
- Strong base capable of adding features

# Future implementations:

- User login for data security
- Management of user permissions
- Improvement of the web scraping
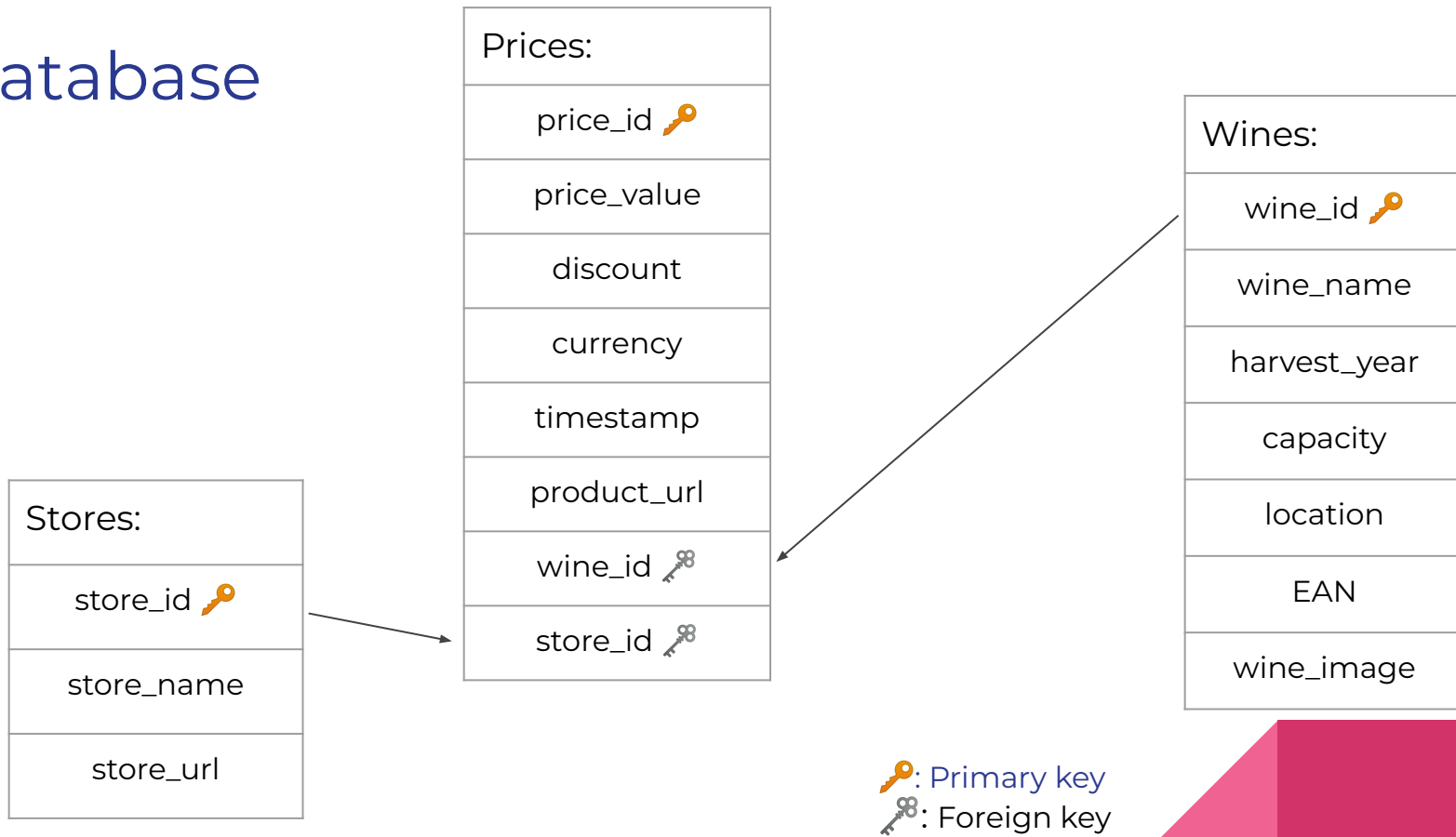- Development of the graphical interface
- Wine price changes notifications
- Adaptability to scale for further demands

# Web Scraping

# Database

**Prices:**

| |
|---|
| price_id 🔑 |
| price_value |
| discount |
| currency |
| timestamp |
| product_url |
| wine_id 🗝️ |
| store_id 🗝️ |

**Wines:**

| |
|---|
| wine_id 🔑 |
| wine_name |
| harvest_year |
| capacity |
| location |
| EAN |
| wine_image |

**Stores:**

| |
|---|
| store_id 🔑 |
| store_name |
| store_url |

🔑: Primary key
🗝️: Foreign key

# Dashboard