City Sign Inventory Management (CSIM)

- Web, Desktop or Android App
- RESTful Web Service for B2B and UI support
- MySQL DB Backend
- REMEMBER: **EMBRACE CHANGE!** This customer is NOTOROUS for coming up with new ideas and changes.

Rules

⇒ Teams will use Agile/Scrum. May use hybrid with XP Practices
⇒ Teams will use Test Driven Development
⇒ Teams will use **git** and either **GitHub**, **BitBucket** or **GitKracken**
⇒ Each team will have their own database
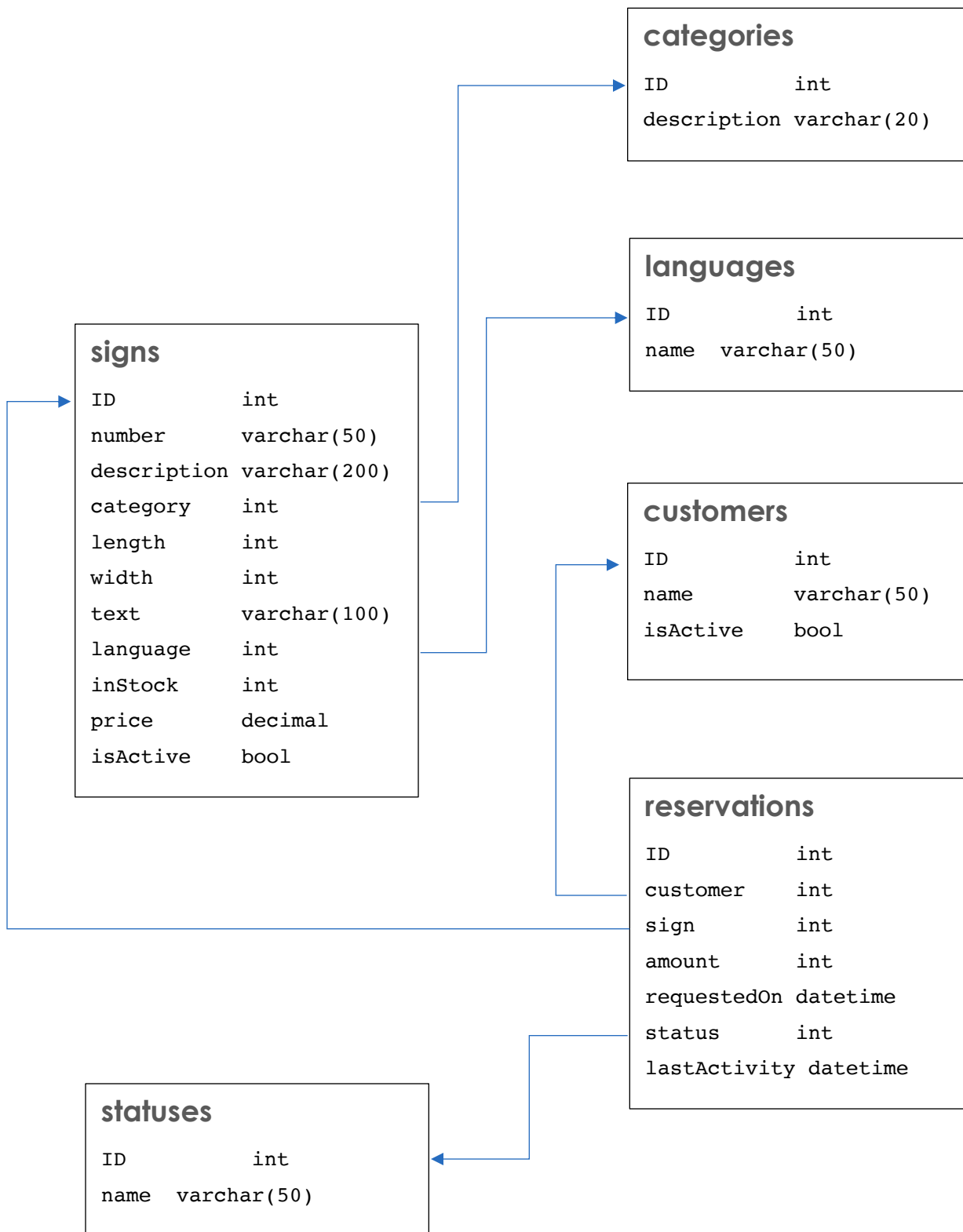⇒ Each team will have a storyboard through either **Trello** or **GetKracken**

Schedule

10/28 – Requirements / Story Preparation / Rules

11/4 – Sprint Planning Meetings / Begin Sprint 1?

11/11 – Sprint 1 Complete

Database Schema

categories

ID	int
description	varchar(20)

languages

ID	int
name	varchar(50)

signs

ID	int
number	varchar(50)
description	varchar(200)
category	int
length	int
width	int
text	varchar(100)
language	int
inStock	int
price	decimal
isActive	bool

customers

ID	int
name	varchar(50)
isActive	bool

reservations

ID	int
customer	int
sign	int
amount	int
requestedOn	datetime
status	int
lastActivity	datetime

statuses

ID	int
name	varchar(50)

Web Services

POST　　　AddSigns => 200 OK

　　　　　int signID
　　　　　int amount

POST　　　ReserveSigns => 200 OK + json total cost

　　　　　int signID
　　　　　int amount
　　　　　int customerID

GET　　　PicukpSigns => 200 OK + json all signs, amounts, costs

　　　　　int customerID

PUT　　　UnReserveSigns => 200 OK or 406 Not Acceptable

　　　　　int customerID
　　　　　int signID

GET　　　GetInventory => 200 OK + json of signs table (replace IDs with appropriate descriptions/names)

User Interface Requirements

Web-based

⇒ Login page
⇒ Home Page
  - Add Inventory
  - Reserve/Unreserve Inventory
  - Remove Inventory
    - Includes Reason { Pickup || Deletion || Theft || Mis-count || Other }
⇒ Reports

Mobile

⇒ Login page
⇒ Inventory Search
  - Menu
    - Add Inventory
    - Remove Inventory
      - Includes Reason { Pickup || Deletion || Theft || Mis-count || Other }
  - Reserve / Unreserve Inventory
  - Advanced Search
  - Reports

Desktop

⇒ Home Page
  - Login Link at top right
  - + icon – Add Inventory
  - – icon – Remove Inventory

- Includes Reason { Pickup || Deletion || Theft || Mis-count || Other }
  - o Reports icon – Reports page
⇒ Reports Page
  - o Search icon – search for inventory
  - o Print icon – print results