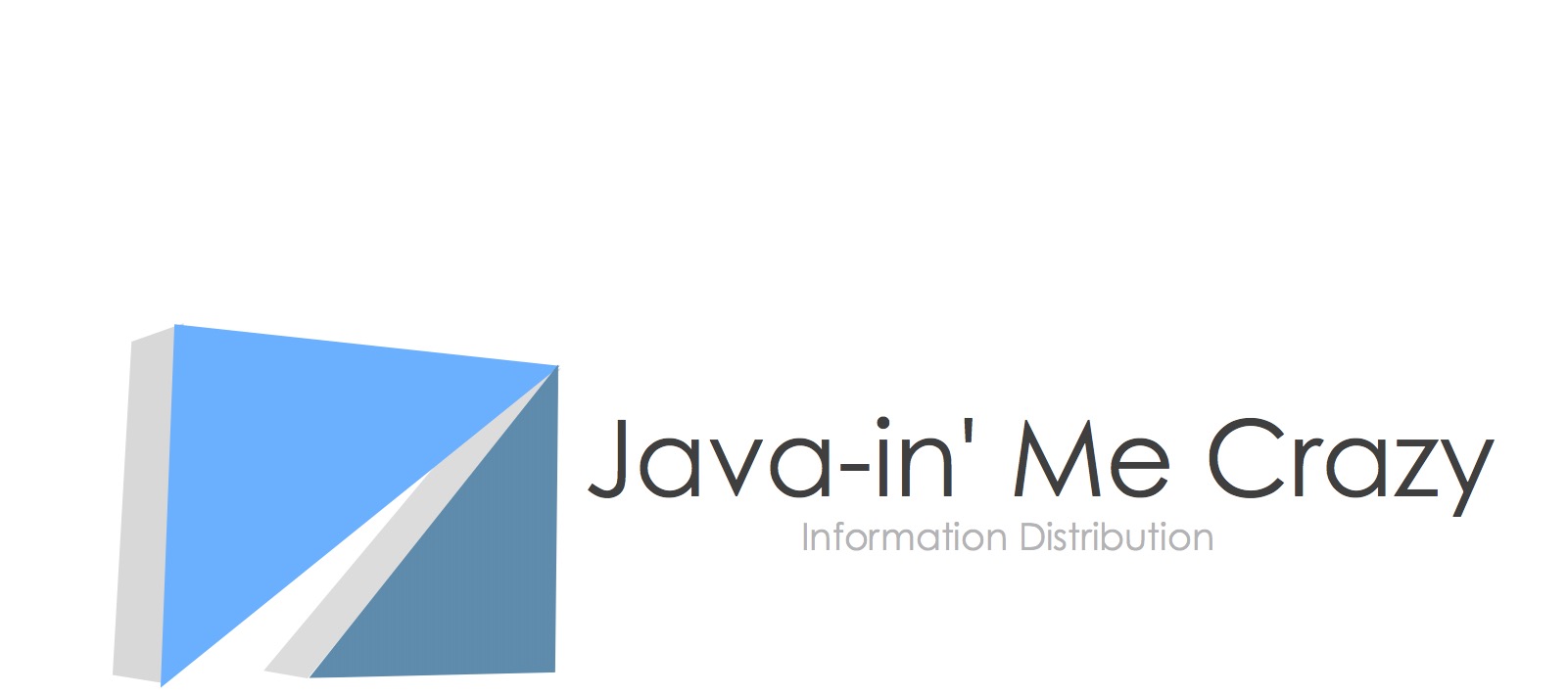
Team 5: Dylan Ahearn, Charli Anthony, Chandler Baggett, Odbayar Bumaa, Jonah Jacobsen, Michael Voecks



SKO

# Database Design Document

Milestone 3

10/31/2016

Database Decisions

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1. Chosen Database

MySQL is an easy-to-use, open-source RDBMS. We have chosen to work with this database because all members of the team are familiar with its platform and it is one of the fastest, multi-user databases out there. MySQL will ensure stability for CU students relying on the app for relevant, up-to-date information.

2. Data Tables and Relationships

We have created and populated three data tables using a MySQL server. The first table being “Buildings.” Attributes of buildings include: BuildingID, BuildingName, MapLocationX, MapLocationY, colorCoding, and Address. BuildingID being the most important and relational attribute to the other two tables. MapLocationX and MapLocationY will be the coordinates corresponding to the virtual map. Roughly 120 buildings will populate this table and will be accessible to users. Next we have our “CampusEvents” table. Attributes of CampusEvents include: EventID, Date, Name, BuildingID, Info, and Time. Our goal is to populate CampusEvents with about 20 events going on around campus, excluding sports games. BuildingID will reference the Buildings table to communicate to the user where the event is being held. And lastly our “SportsScores” table will be populated with roughly 50 final scores. Attributes of SportsScores include: ScoreID, Sport, Date, Score, Opponent, Time, and BuildingID. This feature allows users to see scores of teams around campus, when and where the team played, and who the opponent was. Along with BuildingID, Date and Time will also be relational to the other tables in the database and will affect how the events are displayed to the user.