

**MICHIGAN STATE**  

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**UNIVERSITY**

# Project Plan

## Event Planning Web Application

The Capstone Experience

Team Auto-Owners

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Spring 2013



*From Students...  
...to Professionals*

# Project Overview

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- Mobile ready Web Application
- Event planner
  - Create new events and event types
  - Register and attend events
  - Email correspondence
- Administrative functions
  - View attendee lists
  - Edit events



# Functional Specifications

- Administrators
  - Create/edit/delete events
  - Invite users
  - Generate reports
- Users
  - View and register for events
  - Search for events
- Email correspondence
  - Invitations and reminders
- Create new event types
  - Create new fields
- Map and directions to event
- Layout responsive to different screen sizes



# Design Specifications

- Normal view
  - Calendar view with events (Month, Week, and Day views)
  - Event details on right side
    - Full details page when clicked
  - Search Page
- Mobile view
  - Similar to normal view
  - Responsive to different screen sizes
    - Resizes items as needed



# Screen Mockup: Month/Week View



## Event Planner

2

Home Search Settings

Home

Day Week **Month** Today

January 2013

Golf Outing

Edit Event

You are attending!

- Attending
- Not Attending

Date: January 19<sup>th</sup>, 2013  
 Time: 9:00AM - 5:00PM  
 Location: Great Oaks Country Club  
[123 Fake St](#)  
[East Lansing, MI 48825](#)

View More Details



## Event Planner

3

Home Search Settings

Home

Day Week **Month** Today

January 14 - 20, 2013

Baseball Game

Edit Event

You are NOT attending!

- Attending
- Not Attending

Date: January 20<sup>th</sup>, 2013  
 Time: 2:00PM - 7:00PM  
 Location: Tiger Stadium  
[123 Fake St](#)  
[Detroit, MI 48275](#)

View More Details





# Screen Mockup: Details and Search



## Event Planner

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- Home
- Search
- Settings

Home Golf Outing Details

**Golf Outing Details**
Edit Event

<p><b>Registration Open:</b> Monday, November 13<sup>th</sup>, 2012</p> <p><b>Registration Close:</b> Friday, January 5<sup>th</sup>, 2013</p> <p>You are <b>attending!</b></p> <p><input checked="" type="checkbox"/> Attending <input type="checkbox"/> Not Attending</p> <p>88 attending 35 not attending 104 no response</p> <p>Max Attendance: 130</p> <p><b>Waiting List:</b></p>	<p><b>Event Host(s):</b> Ryan Burr Trevor Murphy Minh Do</p> <p><b>Description:</b> (Description of the event goes here.)</p> <p><b>Start Date/Time:</b> Friday, January 19<sup>th</sup>, 2013 9:00am</p> <p><b>End Date/Time:</b> Friday, January 19<sup>th</sup>, 2013 5:00pm</p> <p><b>Location:</b> Great Oaks Country Club <a href="#">123 Fake St</a> <a href="#">East Lansing, MI 48825</a></p>	<p><b>Current 4-some (auto-assigned):</b> Ryan Burr Trevor Murphy Minh Do Dr. Dyksen <a href="#">View all 4-some's</a></p> <p><b>My Event Notes:</b> </p> <p>I am allergic to peanuts.</p> <p><b>My Event Information:</b> </p> <p><b>Name:</b> Ryan Burr <b>Phone Number:</b> (111) 222-3333 <b>Email:</b> burrya1@msu.edu <b>Meal Choice:</b> <input checked="" type="checkbox"/> Steak Dinner <input type="checkbox"/> Chicken Dinner <b>Participate in Drawing:</b> <input checked="" type="checkbox"/></p>	<p><b>My Event Notes:</b> </p> <p>I am allergic to peanuts.</p>
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## Event Planner

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- Home
- Search
- Settings

Search

**Date Range:** From January 1 2013 To June 1 2013

January 19<sup>th</sup>, 2013 – Golf Outing – 9:00am-5:00pm

January 20<sup>th</sup>, 2013 – Tailgate – 8:00am-12:00pm

January 20<sup>th</sup>, 2013 – Baseball Game – 3:00pm-7:00pm

February 10<sup>th</sup>, 2013 – Performing Arts – 5:00pm-7:00pm

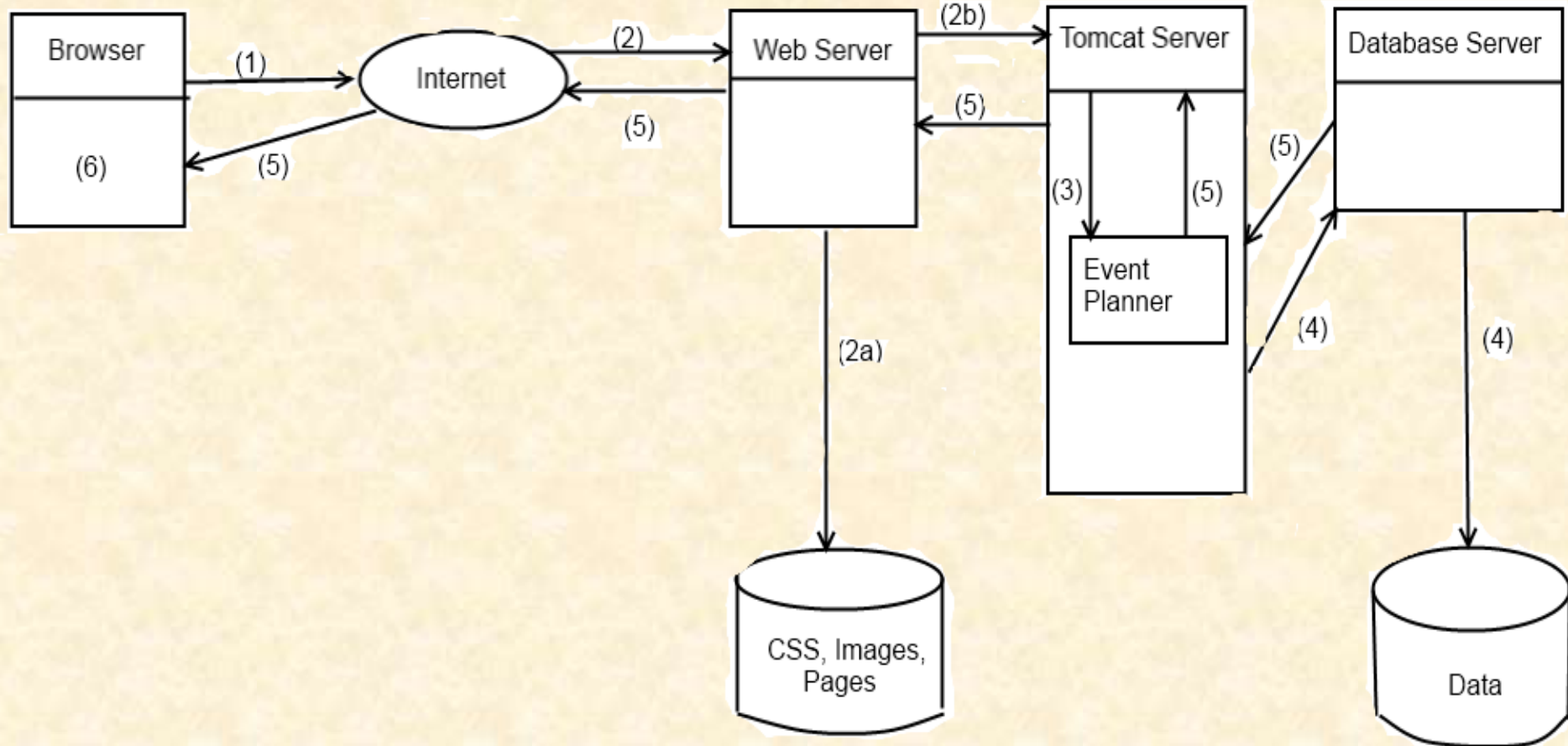
No event selected

# Technical Specifications

- Develop web application using Java and DB2
  - Query DB2 databases to create, and edit events
- Provide map and directions to user
  - Bing maps
- Calendar view (FullCalendar)
- Generate report for events (administrators)
- Email invitations and reminders
- JQuery Mobile for mobile accessibility
- Regulate permissions of users through login credentials
  - Can't view certain events
  - Can't edit events



# System Architecture





# System Components

- Hardware Platforms
  - Computers, Mobile devices (phones, tablets)
  - Dell PowerEdge Server
- Software Platforms / Technologies
  - IBM DB2 Express-C 10.2
  - Tomcat 6
  - Eclipse Juno IDE (Java)
  - Spring MVC 3
  - JQuery FullCalendar.js by Adam Shaw
  - JSON
  - JQuery Mobile



# Testing

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- JUnit testing
- Globally accessible server
  - Mobile testing
- User experience testing



# Risks

- DB2
  - Setup and connect to
  - Help from clients and online resources
- JQuery Mobile
  - Unfamiliarity
  - Learn through samples and online resources
- Create new event types
  - Create new fields
  - CSE 480 and client contact
- Data manipulation / JSON
  - Retrieving and storing data through JSON to database
  - Learn from online resources, trial and error

