

System Design

Group: Planners

Project: planit

Instructor: Professor Dema

Teaching Assistant: Kevin Zhang

Table of Contents

CRC 3

System Architecture Diagram 5

CRC

Class name: *User*

Responsibilities:

- Knows its username, settings, and password
- Has an identifier

Collaborators:

- *Itinerary*
- *DAO*
- *Event*
- *Rating*

Class name: *Rating*

Responsibilities:

- Knows the identifier of the user that made the rating
- Knows the identifier of the event that was rated
- Responsible for getting rating information given by the user on the front end
- Has an identifier

Collaborators:

- *User*
- *Event*
- *DAO*

Class name: *Itinerary*

Responsibilities:

- Times and chosen events for those times.
- Knows what things the user chose for this itinerary
 - Number of people
 - Budget
 - Transportation options
 - Location
 - Total time
 - Maximum travel distance
 - Chosen user attractions
- Has an identifier

Collaborators:

- *User*
- *Event*
- *DAO*

Class name: *Event*

Responsibilities:

- Holds details about the Event
 - Description
 - Price point
 - Category
 - Availability (time it's possible to attend the event)
 - Contact info.
- Has an identifier

Collaborators:

- *Rating*
- *Event*
- *DAO*

Class name: *DAO*

Responsibilities:

- Has a reference to the database instance
- Putting information into the database
- Retrieving information from the database
- Deleting information from the database

Collaborators:

- *Itinerary*
- *Event*
- *Rating*
- *User*

System Architecture Diagram

Reference: <https://www.edrawsoft.com/software-architecture-example.php>

