ARL Technologies – Leonard Box, Alexis Parson, Rey Crittenden

Relations:

User – the user on a website; user id (required by the software), username (identification on website), password, first name, last name, role (how they interact with the website)

User Information – information about a user; user id (reference to User) email, phone number, address

Event – contains information about past, current, and upcoming events; event id (identification of event), date, time, posted date (when Event was added), title, user id (reference to User who created the event), description, category (related to Category), tag (related to Tag), image

Participant – contains a list of participants to particular events; user id (a User signed into the website), event ID (links to an event), is RSVP’d (reserved a spot), attended (actually attended)

Post – a post made on the blog page; post id (identifies the post), title, user id (refers to User who posted), posted date (when Post was posted), content (the actual post, either a question or statement/conversation), category, tag, image, commend id (refers to Comment)

Comment – a comment made by a user to Post; comment id (identifies a comment), user id (refers to User), date posted, content, tag (refers to Tag)

Category – like a hashtag, but only describes the kind of animal; id (cat, dog, lizard, and more specific categories), desc (what the category represents, ie “cat”, “dog”), title (the word(s) that represent the description), slug (required by Javascript)

Tag – a hashtag for organizing all entities of the website (events, posts, etc); id (#cat, #catsforlife, etc), desc (what the hashtag represents), title (the word(s) that represent the description), slug (required by Javascript)

Relation Types:

User Details – connects User and User Information (relationship set)

Posted Event – connects User who created Event (relationship set)

Posted Blog – connects User who created Post (relationship set)

Commented – connects User who wrote Comment (relationship set)

Participated – connects User who attends and/or RSVPs to Event (relationship set)

Post Category – connects Post with Category (relationship set)

Post Tag – connects Post with Tag (relationship set)

Post Comment – connects Comment to Post (relationship set)

Comment Tag – connects Comment with Tag (relationship set)

Event Category – connects Event with Category

Event Tag – connects Event with Tag

Schema:

user (**user\_id**, username, password, first\_name, last\_name, role)

user\_info (**user\_id**, address, fone\_num, email)

event (**event\_id**, event\_date, event\_time, event\_posted, title, user\_id, desc, category\_id, tag\_id, main\_image)

participant (user\_id, **event\_id**, rsvp, attended)

post (**post\_id**, title, user\_id, post\_posted, content, category\_id, tag\_id, main\_image, comment\_id)

comment (**comment\_id**, user\_id, comment\_posted, content, tag\_id)

category (**category\_id**, title, slug, desc)

tag (**tag\_id**, title, slug, desc)

Relationship Sets:

user\_details (user.user\_id, user\_info.user\_id)

posted\_event (user\_id, event\_id)

posted\_blog (user\_id, post\_id)

commented (user\_id, comment\_id)

participated (user\_id, event\_id)//Weak

post\_category (post\_id, category\_id)//Weak

post\_tag (post\_id, tag\_id)//Weak

post\_comment (post\_id, comment\_id)//Weak

comment\_tag (comment\_id, tag\_id)//Weak

event\_category (event\_id, category\_id)//Weak

event\_tag (event\_id, tag\_id)//Weak