Entities and attributes:

Event — id, invitationCode, title, creationDate, lastActivity

Participant — Id, firstName, lastName, email (0,1), iban (0,1), bic (0,1), owedByTheGroup, owedToTheGroup

Tag — id, name, color

Expense — amount, id, title, creationDate

Currency — id, code, fullName

Relationships:

Event 1 —— participated —— N Participant

Event 1 —— availableTag —— N Tag

Tag M —— assignedTag —— N Expense

Participant M —— madeExpense 1 —— M Expense

Participant M —— involved —— N Expense (debtSettled (boolean), amountOwed)

Expense N —— currencyUsed —— 1 Currency

Notes:

Elements with a green border represent basic requirements.

In extended features these two attributes will be deprecated and replaced by the involved relation.

Relational schema:

Event(**id**, **invitationCode**, title, creationDate, lastActivity)

Participant(**id**, **invitationCode->Event(invitationCode)**, firstName, lastName, owedByTheGroup, owedToTheGroup)

Expense(**id**, **participant->Participant(id)**, amount)