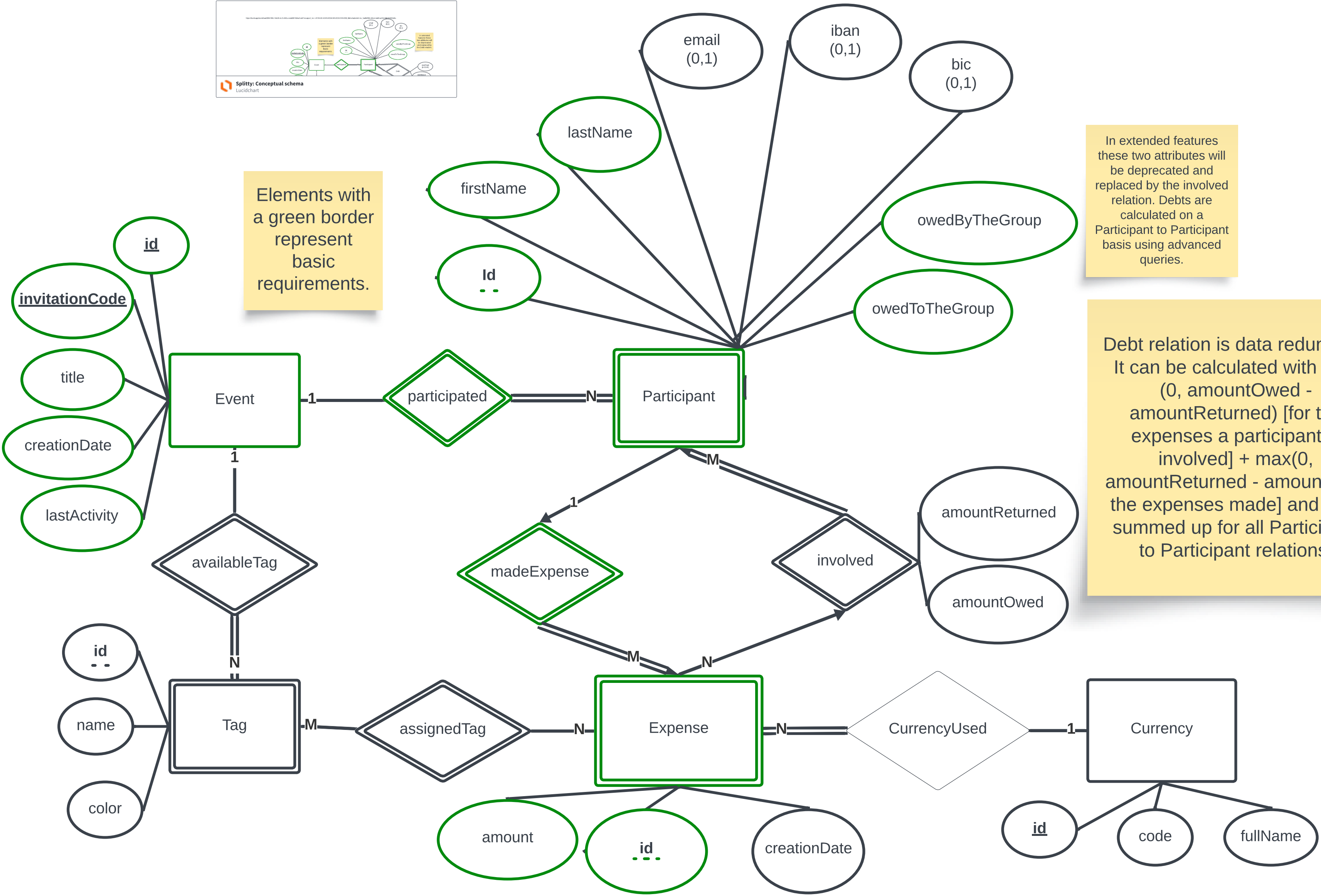


Elements with a green border represent basic requirements.

In extended features these two attributes will be deprecated and replaced by the involved relation. Debts are calculated on a Participant to Participant basis using advanced queries.

Debt relation is data redundant. It can be calculated with $\max(0, \text{amountOwed} - \text{amountReturned})$ [for the expenses a participant is involved] + $\max(0, \text{amountReturned} - \text{amount})$ [for the expenses made] and then summed up for all Participant to Participant relations.



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

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

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