

Assignment 1: Assumptions

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- *Member ID* always refers to *membership number* as given in the *Chartered Book*.
- *Outcome* fields are NOT NULL and will have 3 ENUM values, *pending*, *approved* and *rejected*. If there is an *OutcomeDateTime* field and the *Outcome* is *pending*, this will default to date and time applied.

Member

- The application stage must check that *addresses*, *phone numbers* and *emails* are valid before insertion.
- It is common to have multiple *addresses*, *phone numbers* and *emails*, this model is designed to store only one preferred instance of these attributes.

ApplicationEndorsement

- This model assumes that the number of *referees* (*members*) required is strictly 2 (no more no less); and that the number of *statements of achievement* required is strictly 1 (no more no less) for every membership *application*. This is enforced through a compulsory *application endorsement* for every *application*.
- The application stage must check the word limit for all *references* and *statements*. It must check that the *primary referee* is the person who submitted the *statement of achievement*. It must also check that the *referees* qualify to endorse *applications* (i.e. a *Provisional Fellow* cannot endorse *applications*). The database will not enforce these rules.

Application

- This model assumes that there is no need to directly link *members* to their past *applications*, prior to them becoming a *member*. These *applications* will still be stored, but only with the *application ID*, not the *member ID*. Should the need arise for a direct link between a *member* and their previous *applications*, another foreign key referencing their current *member ID* can be added into the *outcome* section of the *application*.

Event

- This model assumes that each *event* will have a unique *event ID* as long as it is planned at a different date, time and venue setting to all other existing *events*. This allows *MemberOrganisingEvent*, *BookingRequest* and *EventResource* to be dependent on *Event*.
- In addition to the provided event statuses: "*pending approval*", "*upcoming*", "*happening now*", "*postponed*", "*cancelled*", the database will also provide a "*finished*" option for the event status to better suit business requirements regarding *members* and *organising events*.



