Database schema (entity-relationship diagram). Tables listed below.

appraisal_review_quest_data (blue)
User reviews. itemid consistancy handled by code. content serialised answer

Field	Type
id	int
appraisalquestfieldid	int
appraisalroleassignmentid	int
itemid	int
content	text

appraisal_quest_field_role (red)
Per role access restrictions to each field
(appraisalrole - appraisal specific roleset that supported by engine. E.g. - team lead, manage r etc...)
(access - can answe r must answe r can view)

Field	Type
id	int
appraisalquestfieldid	int
appraisalrole	int
rights	int

appraisal_stage_page (red)
Pages within appraisal stages. Each stage has at least one page

Field	Type
id	int
appraisalstageid	int
name	varchar(255)
sortorder	int

appraisal_stage_role_setting (red)
Roles access settings for each stage (appraisalrole - APPRAISAL_ROLE_* constant) (lock - lock after completion)

Field	Type
id	int
appraisalstageid	int
appraisalrole	int
locked	bool

appraisal_event_message (red)
Notifications to be sent on some event

Field	Type
id	int
appraisaleventid	int
name	varchar(255)
content	text

appraisal_event_rcpt (red)
Who receive event messaged

Field	Type
id	int
appraisaleventmessageid	int
appraisalrole	int

appraisal_scale (red)
Saved multiple choices

Field	Type
id	int
name	varchar(255)
userid	int

appraisal_scale_value (red)
Multipe choice scale options (score can be used when applicable)

Field	Type
id	int
appraisalscaleid	int
name	varchar(255)
score	int

appraisal_quest_field (red)
Individual questions list for appraisal stage

Field	Type
id	int
appraisalstagepageid	int
name	varchar(255)
datatype	varchar(255)
description	text
descriptionformat	int
sortorder	int
defaultdata	text
defaultdataformat	int
param1	text
param2	text
param3	text
param4	text
param5	text
appraisalscaleid	int

appraisal_stage (red)
Stages within appraisal

Field	Type
id	int
appraisalid	int
name	varchar(255)
description	text
timedue	int

appraisal_event (red)
Appraisal event triggers (triggered: event actions were performed, deltaperiod: 1-days, 2-weeks, 3-months, stageiscomleted: 0-any 1-only if completed, -1-only if not completed)

Field	Type
id	int
appraisalstageid	int
appraisalid	int
event	varchar
delta	int
deltaperiod	int
triggered	bool
timescheduled	int
stageiscompleted	int

appraisal_scale_data (blue)
Multiple answers of users

Field	Type
id	int
appraisalscalevalueid	int
appraisalroleassignmentid	int
appraisalquestfieldid	int

appraisal_stage_data (blue)
Per assignment stage data (currently only completion timestamps)

Field	Type
id	int
appraisalroleassignmentid	int
timecompleted	int
appraisalstageid	int

appraisal_role_assignment (blue)
Table of all individual user assignments with their roles (from master: groups, positions, organisations, and user)

Field	Type
id	int
appraisaluserassignmentid	int
userid	int
appraisalrole	int

appraisal_user_assignment (blue)
Who is subject of current appraisal assignment

Field	Type
id	int
userid	int
appraisalid	int
assignedvia	varchar
activestageid	int
timecompleted	int

appraisal_quest_data_Y (blue)
Actual answers on questions withing appraisal form

Field	Type
id	int
timecompleted	int
appraisalroleassignmentid	int
data_(fieldid 1)	mixed
...	...
data_(fieldid n)	mixed

appraisal (red)
(status: 0=draft, 1=active, 2=closed, 3=complete)

Field	Type
id	int
name	varchar(255)
description	text
status	int
timestarted	int
timefinished	int

appraisal_history (blue)
Appraisal access history (Req. 24.3)

Field	Type
id	int
userid	int
appraisalid	int
timecreated	int

appraisal_grp_org (red)
organisations assigned to appraisal

Field	Type
id	int
appraisalid	int
orgid	int
recursive	bool

appraisal_grp_pos (red)
positions assigned to appraisal

Field	Type
id	int
appraisalid	int
posid	int
recursive	bool

appraisal_grp_cohort (red)
Individual users assigned to appraisal

Field	Type
id	int
appraisalid	int
cohortid	int

pos_assignment — *existing table (+1 field)*

Field	Type
id	int
organisationid	int
userid	int
appraiserid	int
positionid	int
...	...

org — *existing table*

Field	Type
id	int
...	...

user — *existing table*

Field	Type
id	int
...	...

pos — *existing table*

Field	Type
id	int
...	...

cohort — *existing table*

Field	Type
id	int
...	...

cohort_members — *existing table*

Field	Type
id	int
userid	int
cohortid	int
...	...

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appraisalrole constants
(DO NOT use as a bitmask)
1 = appraisal::ROLE_LEARNER
2 = appraisal::ROLE_MANAGER
4 = appraisal::ROLE_TEAM_LEAD
8 = appraisal::ROLE_APPRAISER
16 (not used) = appraisal::ROLE_ADMINISTRATOR
255 = appraisal::ROLE_ALL (meta role - all roles match)

appraisal access constants:
(Can be used as a bitmask)
1 = appraisal::ACCESS_CANVIEWOTHER
2 = appraisal::ACCESS_CANANSWER
6 = appraisal::ACCESS_MUS ANSWER*
* - MUS ANSWER include CANANSWER

Color coding:
Notes on yellow background - Question
Notes on green background - Statement or Solution
Tables with red border - master tables (E.g. tables with definitions and all meta information)
Tables with blue border - slave/data tables (E.g. tables with actual data filled by users and based on tables with definition)
Tables and notes with gray border/background - draft (do not implement)