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| R01 | User (id, e-mail NN UK, full\_name, password NN, URL NN UK, username NN UK, administrator NN) |
| R02 | Project (id, description, end\_date **CK** end\_date > start\_date, name **NN**, privacy, start\_date **NN**, state **NN**, id\_coordinator → User) |
| R03 | Board (id, description, name **NN**, id\_creator → User, id\_project → Project) |
| R04 | Task (id, budget, deadline **NN**, description, name **NN**, progress **CK** 0 ≤ progress ≤ 100, state **NN**, id\_creator → User, id\_board → Board) |
| R05 | Meeting (id, date **NN CK** date > today, name, place, id\_board → Board) |
| R06 | Personal\_event (id, date **NN CK** date > today, name, place, id\_user → User) |
| R07 | Comment (id, comment **NN**, date **NN**, id\_user → User, id\_task → Task) |
| R08 | File (id, description, path **NN**, publish\_date **NN**, id\_user → User, id\_task → Task) |
| R09 | Notification (id, date **NN**, notification **NN**, state **NN**, id\_user → User) |
| R10 | Progress\_update (id, date **NN**, new\_value **CK** 0 ≤ new\_value ≤ 100, id\_user → User, id\_task → Task) |
| R11 | Message (id, date **NN**, message **NN**, id\_user → User, id\_project → Project) |
| R12 | Project\_team (id\_project→ Project, id\_worker → User) |
| R13 | Board\_team (id\_board→ Board, id\_worker → User) |
| R14 | Profile\_picture (id\_image, id\_user → User, path **UK**) |
| R15 | Project\_picture (id\_image, id\_project → Project, path **UK**) |
| R16 | Contact (id\_user → User, id\_contact → User) |
| R17 | Ban\_user (id\_administrator → User, id\_user → User, date) |
| R18 | Archive\_project (id\_project → Project, id\_administrator → User, date) |

**A5 – Relational schema, validation and schema refinement**

1. **Relational Schema**
2. **Domains**

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