TECNOLÓGICO DE MONTERREY
Campus Querétaro

Profesores encargados:
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Construcción de software y toma de decisiones

Avance de proyecto 3

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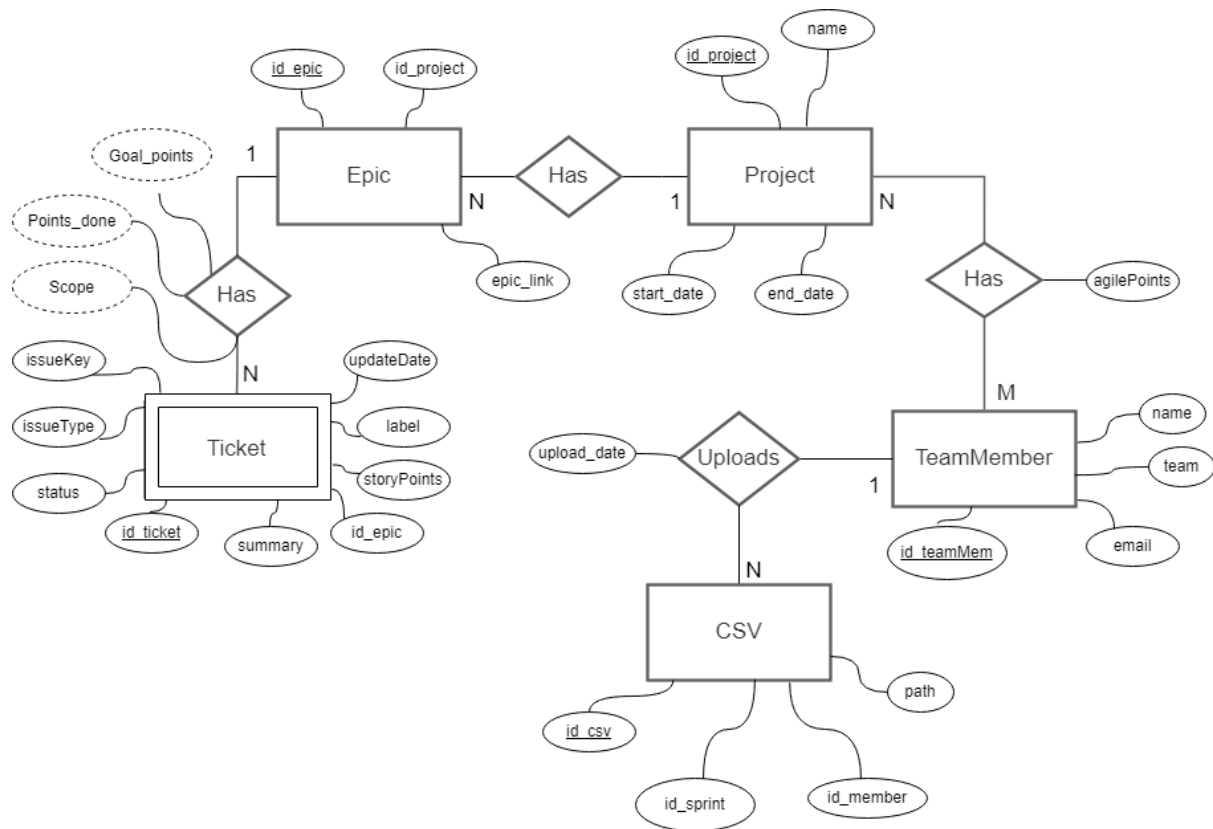
FECHA DE ENTREGA:
12/03/2023

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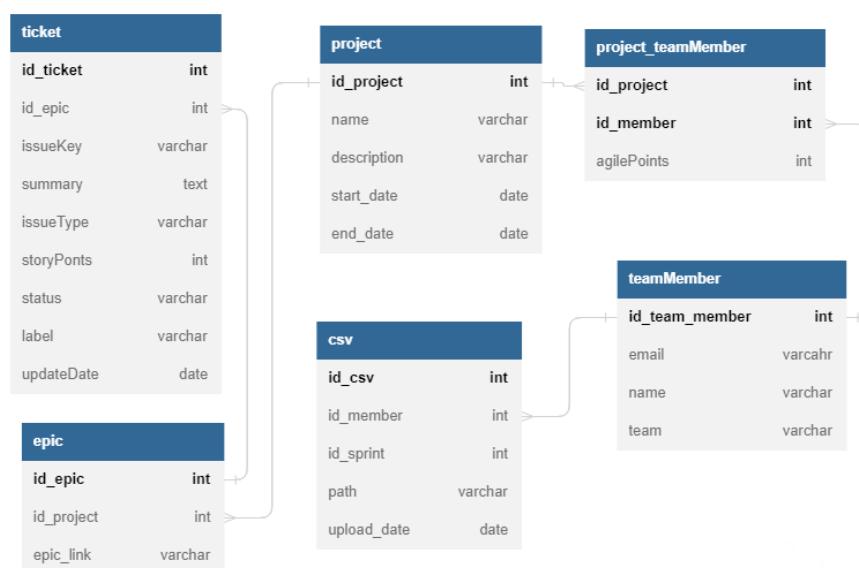A01704562@tec.mx
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Information Requirements

Entity-Relationship Model

Relational Model

MySQL Scripts

Database Creation

```sql
CREATE DATABASE project_nexus;
USE project_nexus;

CREATE TABLE project (
  id_project INT PRIMARY KEY AUTO_INCREMENT,
  project_name VARCHAR(100),
  start_date DATE,
  end_date DATE
);

CREATE TABLE epic (
  id_epic INT PRIMARY KEY AUTO_INCREMENT,
  id_project INT,
  epic_link VARCHAR(16)
);

CREATE TABLE ticket (
  id_ticket INT PRIMARY KEY AUTO_INCREMENT,
  id_epic INT,
  issueKey VARCHAR(16),
  summary VARCHAR(255),
  issue_type VARCHAR(10),
  storyPonts TINYINT,
  ticket_status VARCHAR(20),
  label VARCHAR(40),
  update_date TIMESTAMP
);

CREATE TABLE project_teamMember (
  id_project INT,
  id_team_member INT,
  agile_points TINYINT,
  PRIMARY KEY(id_project, id_team_member)
);

CREATE TABLE teamMember (
  id_team_member INT PRIMARY KEY AUTO_INCREMENT,
  email VARCHAR(255),
  member_name VARCHAR(50),
  team VARCHAR(2)
);
```

```sql
CREATE TABLE csv (
  id_csv INT PRIMARY KEY AUTO_INCREMENT,
  id_team_member INT,
  id_sprint INT,
  file_path VARCHAR(255),
  upload_date TIMESTAMP
);

/* Data Insertion */

/*******************/

ALTER TABLE epic
ADD CONSTRAINT id_project FK FOREIGN KEY (id_project) REFERENCES
project (id_project) ON DELETE CASCADE ON UPDATE CASCADE;

ALTER TABLE ticket
ADD CONSTRAINT id_epic FK FOREIGN KEY (id_epic) REFERENCES epic
(id_epic) ON DELETE CASCADE ON UPDATE CASCADE;

ALTER TABLE project_teamMember
ADD CONSTRAINT id_project FK FOREIGN KEY (id_project) REFERENCES
project (id_project) ON DELETE CASCADE ON UPDATE CASCADE,
ADD CONSTRAINT id_team_member FK FOREIGN KEY (id_team_member)
REFERENCES teamMember (id_team_member) ON DELETE CASCADE ON UPDATE
CASCADE;

ALTER TABLE csv
ADD CONSTRAINT id_team_member FK FOREIGN KEY (id_team_member)
REFERENCES teamMember (id_team_member) ON DELETE CASCADE ON UPDATE
CASCADE;
```

Data Insertion

```sql
INSERT INTO teammember (member_name, email, team) VALUES
('Antonio Antillon','antonio_antillon@dh.com', 'BE'),
('Kevin Anderson','kevin_anderson@dh.com', 'FE'),
('Dan Cohn','dan_cohn@dh.com', 'BE'),
('Bernardo Gomez-Romero', 'bernardo_gomez_romero@dh.com', 'BE'),
('Giorgi Gelashvili', 'giorgi_gelashvili@dh.com', 'FE'),
('Alan Malagon', 'alan_malagon@dh.com', null),
('Itzel Barreto', 'itzel_barreto@dh.com', 'FE');
```

```sql
INSERT INTO csv (id_team_member, id_sprint, file_path,
upload_date)
(4, null, './uploads/Jira.csv', '2023-03-10 14:17:00');

INSERT INTO project (project_name, start_date, end_date) VALUES
('FJDH', '2023-02-01', null);

INSERT INTO epic (id_project, epic_link) VALUES
(1, 'PART-234'),
(1, 'PART-289'),
(1, 'PART-306'),
(1, 'PART-312');

INSERT INTO project_teammember (id_project, id_team_member,
agile_points) VALUES
(1, 1, 6),
(1, 2, 9),
(1, 3, 8),
(1, 4, 9),
(1, 5, 8),
(1, 6, 8),
(1, 7, 9);

INSERT INTO ticket (id_epic, issueKey, summary, issue_type,
storyPonts, ticket_status, label , update_date) VALUES
(1, 'PART-2346', 'Standardize the use of error key in the backend
failure responses', 'Task', 1, 'To Do', null, '2023-03-09
12:28:00'),
(1, 'PART-2342', 'Add Swagger docs for GET care requests endpoints
(show and index)', 'Task', 2, 'To Do', 'part/Backend', '2023-03-09
11:57:00'),
(1, 'PART-2341', 'Rake task for deleting partners', 'Task', 2, 'To
Do', null, '2023-03-08 15:04:00'),
(1, 'PART-2336', 'Demote MarketStatus::Nearest error messages to
warn messages in logs', 'Task', 2, 'To Do', null, '2023-03-07
19:55:00'),
(1, 'PART-2335', 'Flaky ruby spec on CareRequest Query service',
'Task', 3, 'To Do', null, '2023-03-07 14:07:00'),
(1, 'PART-2334', 'Fix Flaky Test : PartnerInformationPage - bypass
risk option', 'Task', 3, 'Code Review', 'part/Frontend',
'2023-03-10 13:57:00'),
(1, 'PART-2330', 'FE: Fix Flaky Test : SummaryCard &
PartnerInformationPage', 'Task', 4, 'Canceled', null, '2023-03-09
14:43:00'),
```

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(1, 'PART-2326', 'Integration Test - Care Requests Page Filter
Menu Click Away', 'Task', 4, 'To Do', 'part/Frontend', '2023-03-10
13:57:00'),
(1, 'PART-2296', 'Add bundle back to dockerfile', 'Story', 7, 'To
Do', null, '2023-03-07 07:34:00'),
(1, 'PART-2293', 'Remove cron from Procfile and remove Aptible
services', 'Story', 8, 'Done', null, '2023-03-02 09:39:00'),
(1, 'PART-137',  'Move frontend configuration variables to single
Statsig dynamic config', 'Task', 8, 'In Progress',
'part/Frontend', '2023-02-28 12:32:00'),
(1, 'PART-129',  'FE: update theme', 'Task', 8, 'Done', null,
'2023-02-27 10:54:00'),
(1, 'PART-120',  'FE: fix data dog test / refactor setupTest',
'Task', 8, 'To Do', null, '2023-02-24 14:47:00'),
(1, 'PART-115',  'Configure UAT for Cypress e2e', 'Task', 7, 'To
Do', null, '2023-03-02 14:01:00'),
(1, 'PART-114',  'Set Datadog RUM config from statsig context',
'Task', 6, 'To Do', 'part/Frontend', '2023-03-07 07:35:00'),
(1, 'PART-112',  'Flaky Source requests spec', 'Bug', 4, 'To Do',
'part/tech-debt', '2023-02-24 14:45:00'),
(1, 'PART-111',  'Map the values from the design to the theme',
'Task', 3, 'To Do', 'part/Frontend', '2023-02-24 14:47:00'),
(1, 'PART-110',  'Custom hook to detect a device type (isMobile,
isTablet, isDesktop)', 'Task', 2, 'To Do', 'part/Frontend',
'2023-02-24 14:47:00'),
(1, 'PART-109',  'Fix More Flaky  JS Tests in
PartnerInformationPage', 'Task', 2, 'Done', null, '2023-03-02
07:23:00'),
(1, 'PART-108',  'FE: add no focused tests lint rule', 'Task', 3,
'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-106',  'Remove flag (BE) -
partner_express_nse_v3_enabled', 'Task', 3, 'To Do',
'part/Backend', '2023-03-09 11:59:00'),
(1, 'PART-105',  'Remove flag (FE) -
partner_express_nse_v3_enabled', 'Task', 3, 'To Do',
'part/Frontend', '2023-03-07 07:23:00'),
(1, 'PART-104',  'Remove flag (BE) - pop_health_service', 'Task',
6, 'To Do', 'part/Backend', '2023-03-02 13:42:00'),
(1, 'PART-103',  'Remove flag (FE) - risk_strat_bypass_express',
'Task', 6, 'Canceled', 'part/Frontend', '2023-03-02 14:10:00'),
(1, 'PART-102',  'Add alphabetical ordering to partner and users
lists (backend)', 'Task', 7, 'Done', 'part/Backend', '2023-03-10
11:30:00'),
(1, 'PART-97',   'Deprecate useCareRequest and
useCareRequestsSearch hooks', 'Task', 7, 'To Do', null,
'2023-02-24 14:47:00'),
```

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(1, 'PART-96',   'Add tests to AccessModal.jsx', 'Task', 7, 'To
Do', 'part/Frontend', '2023-02-24 14:47:00'),
(1, 'PART-94',   'Frontend tests: Parallelize and randomize',
'Task', 9, 'To Do', 'part/Frontend', '2023-02-24 14:47:00'),
(1, 'PART-93',   'Frontend specs spike: investigate how we can
speed up our specs', 'Task', 9, 'To Do', 'part/Frontend',
'2023-02-24 14:47:00'),
(1, 'PART-92',   'Backend refactor to risk strat bypass
implementation', 'Task', 8, 'To Do', 'part/Backend', '2023-02-24
14:48:00'),
(1, 'PART-91',   'TechDebt: Eager loading associations in
queries', 'Task', 1, 'To Do', 'part/tech-debt', '2023-02-24
14:47:00'),
(1, 'PART-83',   'GitHub pr template: feature gate & pic/vid
checkbox', 'Task', 1, 'Done', null, '2023-03-06 15:06:00'),
(1, 'PART-81',   'Refactor the finalize care - risk strat bypass
implementation', 'Task', 2, 'To Do', 'part/Frontend', '2023-03-07
07:33:00'),
(1, 'PART-79',   'Lint FE on CI - phase 1', 'Task', 1, 'To Do',
'part/Frontend', '2023-03-10 13:59:00'),
(1, 'PART-76',   'FE: add jest-mock-extended library - testing
with TS easily', 'Task', 2, 'To Do', null, '2023-02-24 14:47:00'),
(1, 'PART-69',   'Optimize paginated care request queries
(memory)', 'Task', 3, 'To Do', 'part/Backend', '2023-02-24
14:47:00'),
(1, 'PART-66',   'Configure CI devDependencies', 'Task', 4, 'To
Do', null, '2023-03-02 14:15:00'),
(1, 'PART-410',  'FE: align our types packages with the packages
we use (versions)', 'Task', 4, 'To Do', null, '2023-02-24
14:48:00'),
(1, 'PART-408',  'FE: upgrade "react router"', 'Task', 3, 'To Do',
null, '2023-02-24 14:48:00'),
(1, 'PART-407',  'FE: upgrade "cypress"', 'Task', 5, 'To Do',
null, '2023-02-24 14:48:00'),
(1, 'PART-406',  'FE: upgrade "@testing-library/user-event"',
'Task', 5, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-405',  'FE: upgrade "@testing-library/react-hooks"',
'Task', 3, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-404',  'FE: upgrade "@testing-library/react"', 'Task',
6, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-403',  'FE: upgrade "@testing-library/cypress"', 'Task',
6, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-397',  'Upgrade React Scripts package', 'Task', 5, 'To
Do', 'part/Frontend', '2023-03-10 13:59:00'),
(1, 'PART-395',  'Tech Excellence FE : replace Express theme with
DS theme', 'Task', 7, 'To Do', null, '2023-02-24 14:48:00'),
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(1, 'PART-394',  'Tech Excellence FE : swap MUI for DS
components', 'Task', 7, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-393',  'Tech Excellence FE : migrate MUI from v4 to v5',
'Task', 1, 'To Do', 'part/Frontend', '2023-03-10 14:00:00'),
(1, 'PART-391',  'Tech Excellence: fix InputWithChips test
warnings', 'Task', 1, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-390',  'Tech Excellence: fix PrivateRoute test/prop
warnings', 'Task', 1, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-389',  'Tech Excellence: fix HashRouter warning',
'Task', 2, 'To Do', null, '2023-02-24 14:48:00'),
(1, 'PART-388',  'Tech Excellence: replace createReducer with
builder callback RTK', 'Task', 2, 'To Do', null, '2023-02-24
14:48:00'),
(1, 'PART-372',  'Code cleanup: remove old partner form
(frontend)', 'Task', 2, 'To Do', 'part/Frontend', '2023-02-24
14:48:00'),
(1, 'PART-371',  'Code cleanup: remove partner.genesys_email from
frontend', 'Task', 3, 'To Do', 'part/Frontend', '2023-02-24
14:48:00'),
(1, 'PART-353',  'Refactor ChiefComplaint to use Formik', 'Task',
4, 'To Do', 'part/Frontend', '2023-02-24 14:48:00'),
(1, 'PART-342',  'Implement Slack alerts triggered by Datadog logs
on Express', 'Task', 5, 'To Do', 'part/Backend', '2023-03-07
07:25:00'),
(1, 'PART-337',  'Implement custom randomized sequencer for FE
tests', 'Task', 6, 'To Do', 'part/Frontend', '2023-02-24
14:48:00'),
(1, 'PART-328',  'Remove all usages of "||" (or operator) related
to partnerId', 'Task', 7, 'To Do', 'part/Frontend', '2023-02-24
14:48:00'),
(1, 'PART-327',  'Remove old Rollout Popup Banner', 'Task', 8, 'To
Do', 'part/Frontend', '2023-02-24 14:48:00'),
(1, 'PART-309',  'Fix flaky tests in backend:
markets_swagger_spec.rb:24', 'Task', 9, 'To Do', 'part/Backend',
'2023-03-07 07:39:00'),
(1, 'PART-259',  'Investigate: Cron job overrunning allocated
resources (remove cron)', 'Task', 9, 'Done', 'part/Backend',
'2023-02-24 15:12:00'),
(1, 'PART-231',  'Frontend: Call only status service', 'Task', 8,
'To Do', 'part/Frontend', '2023-02-27 10:23:00'),
(1, 'PART-229',  'Use Formik in the partner add and edit market
component', 'Story', 7, 'To Do', null, '2023-02-27 10:23:00'),
(1, 'PART-236',  'Express client-side logging', 'Task', 6, 'Code
Review', 'part/Frontend', '2023-02-27 10:23:00'),
(1, 'PART-235',  'Fix Dependabot alerts', 'Task', 5, 'To Do',
'part/Backend', '2023-02-24 14:47:00'),
```

```
(1, 'PART-191',  'Database problems - Clean up care request',
'Task', 4, 'Canceled', null, '2023-03-02 14:05:00'),
(1, 'PART-190',  'Database problems - Clean up care request
statuses', 'Task', 4, 'To Do', null, '2023-03-02 14:05:00'),
(1, 'PART-180',  'Client: add location, channel and all_status
endpoints to MSW', 'Task', 3, 'To Do', 'part/Frontend',
'2023-03-02 13:49:00'),

(2, 'PART-2343', 'Change care request index data: return summary
view instead of normal view', 'Task', 3, 'Code Review',
'part/Backend', '2023-03-10 11:30:00'),
(2, 'PART-2322', 'Data migration to update old symptoms to have
the new separator ("|" to " | ")', 'Task', 4, 'Release Ready',
'part/Backend', '2023-03-09 13:00:00'),
(2, 'PART-2294', 'Complete response data for the care request',
'Task', 6, 'Done', 'backend', '2023-03-10 11:30:00'),
(2, 'PART-133', 'Create UI filter: by patient name', 'Task', 7,
'In Progress', 'part/Frontend', '2023-03-10 11:41:00'),
(2, 'PART-77', 'Care Requests Page - Filters - Clear All Button',
'Task', 2, 'Done', null, '2023-03-02 07:24:00'),
(2, 'PART-348', 'Care Requests Page - Filter - Sources', 'Task',
3, 'Done', 'part/Frontend', '2023-03-10 13:15:00'),
(2, 'PART-347', 'Care Requests Page - Filters - Service Line',
'Task', 5, 'Done', 'part/Frontend', '2023-02-27 11:58:00'),
(2, 'PART-346', 'Care Requests Page - add Markets Filter', 'Task',
6, 'Done', 'part/Frontend', '2023-03-10 13:15:00'),
(2, 'PART-345', 'Create UI filter: past care requests', 'Story',
7, 'Code Review', 'part/Frontend', '2023-03-10 07:24:00'),
(2, 'PART-343', 'Create filter UI: my care requests', 'Task', 8,
'To Do', 'part/Frontend', '2023-02-28 12:32:00'),
(2, 'PART-335', 'Care Requests Page - row expand- Summary',
'Task', 9, 'Code Review', 'part/Frontend', '2023-03-10 14:03:00'),
(2, 'PART-333', 'Care Requests Page - row expand -  case details
', 'Task', 1, 'In Progress', 'part/Frontend', '2023-03-08
12:51:00'),
(2, 'PART-292', 'New care request filters', 'Story', 3, 'To Do',
'part/nse', '2023-02-28 12:19:00'),
(2, 'PART-290', 'New expanded care request details design',
'Story', 1, 'In Progress', 'part/Frontend', '2023-03-09
11:53:00'),

(3, 'PART-366', 'Configure our own SSO IdP environment for QA',
'Task', 3, 'Done', 'part/Backend', '2023-02-28 12:43:00'),
(3, 'PART-360', 'Add SAMLP add on to auth0 clients', 'Task', 4,
'Code Review', 'part/par-express-sso', '2023-02-27 10:45:00'),
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(3, 'PART-356', 'Change SSO users "default source" label to just
"source"', 'Bug', 6, 'To Do', 'part/Frontend', '2023-02-24
14:46:00'),
(3, 'PART-352', 'UI: allow SSO admins and super to modify source
and phone fields for users', 'Story', 6, 'To Do', 'part/Frontend',
'2023-02-27 10:25:00'),
(3, 'PART-313', 'UI: Create progress bar for partner creation',
'Task', 8, 'To Do', 'part/Frontend', '2023-02-27 10:25:00'),
(3, 'PART-305', 'Update an existing partner to be SSO', 'Story',
9, 'To Do', null, '2023-02-27 10:25:00'),
(3, 'PART-304', 'Create a partner configured for SSO', 'Story', 6,
'To Do', null, '2023-02-27 10:25:00'),
(3, 'PART-284', 'UI: add SSO connection name field to Partner
Info', 'Task', 5, 'To Do', 'part/Frontend', '2023-02-27
10:25:00'),
(3, 'PART-283', 'UI: add toggle to Partner Info page to
enable/disable SSO', 'Task', 4, 'To Do', 'part/Frontend',
'2023-02-27 10:25:00'),

(4, 'PART-295', 'UI: Add toggle in partners SSO config to enable
user management control', 'Story', 6, 'To Do', 'part/Frontend',
'2023-02-24 14:46:00'),
(4, 'PART-267', 'Update invitation workflow, are SSO users pending
until first successful login?', 'Task', 9, 'To Do', null,
'2023-02-24 14:48:00');
```

UI Prototype

An interactive demo of the web app can be found [here](#).