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// Paths2Abundance Simplified Database - 2022 05 08
// reference for dbml: https://www.dbml.org/docs/#schema-definition

Table Solutions as ss {
id int8 [primary key, increment, note: 'ex: 1, meaning S001, it will increment 2, 3, for S002, S003, ...']
image_file varchar [note: 'ex: S001.jpg']
name varchar [note: 'ex: Fog catchers']
category varchar [note: 'ex: Water']
nature varchar [note: 'ex: Generating']
summary varchar [note: 'ex: Water generation using nets in misty locations']
estimated_cost_usd float8 [note: 'ex: 2000']
cost_breakdown varchar [note: 'ex: 200 USD for each net, 10 nets minimum, 2000 USD total']
information_source varchar [note: 'ex: https://youtu.be/YxRONAZoMDk']
application_scenarios varchar [note: 'ex: Higher elevated remote locations with myst, or very mysty locations']
applicable_in_city bool [note: 'ex: false']
applicable_in_nature bool [note: 'ex: true']
low_tech int8 [note: 'ex: 10']
simplicity int8  [note: 'ex: 8']
low_cost int8  [note: 'ex: 9']
portability int8 [note: 'ex: 8']
versatility int8 [note: 'ex: 7']
local_materials_required varchar [note: 'ex: Wood poles, simple handyman tools like hammer and nails']
labor_hours_required int8 [note: 'ex: empty for NotFound']
product_company_name varchar [note: 'ex: empty for NotFound']
product_webpage varchar [note: 'ex: empty for NotFound']
other_info text [note: 'ex: S001.docx, empty for NotFound']
// comments under the source videos are readh andanything useful found into a separate Word file with this name
applied_by_organizations varchar [note: 'ex: Water from Air Foundation, Boon Lay Goodness Movement']
}


Table Organizations as rr {
id int8 [primary key, increment, note: 'ex: 1, meaning R001, for Water from Air Foundation, will increment by one']
wallet_address  varchar  [note: 'ex: 0x....44m, different wallet address for each organization']
name varchar [note: 'ex: Water from Air Foundation']
image_file varchar [note: 'ex: D001.jpg']
website varchar [note: 'ex: https://www.waterfromairfoundation.org']
country varchar [note: 'ex: Turkiye']
active bool [note: 'ex: true']
other_info text [note: 'ex: S001.docx, empty for NotFound']
}


Table Projects as pp {
id int8 [primary key, increment, note: 'ex: 1 for P001, it will increment to 2, 3, ... for P002, P003, ...']
solution_id int8 [ref: < Solutions.id, note: 'ex: 1 for solution S001, it will increment 2, 3,... for S002, S003, ...']
organization_id int8 [ref: < Organizations.id, note: 'ex: 1 for organization R001, which is Water from Air Foundation']
country varchar [note: 'ex: Turkiye, country where the project will be applied']
budget_usd float8 [note: 'ex: 3050.75']
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  project_duration_days int8 [note: 'ex: 30'] // number of days that the Organization has to complete the project, once it claims the donations from P2A
  mintPriceHBAR float8 [note: 'ex: 1000; donation amount in HBAR to mint a single donation NFT']
  maxNFTSupply int8 [note: 'ex: 27; max number of donation NFTs for completion the full donation for the solution']
  other_info text [note: 'ex: S001.docx, empty for NotFound']
  status varchar [note: 'ex: UnderReview; Possible Values: UnderReview, Rejected, Accepted, Initiated, Uninitiated, Completed, Incomplete']
  date_time_timezone timestamptz [note: 'ex: 2022-05-08 07:07:07.555555-05:00; Date and time, including time zone; check https://www.cockroachlabs.com/docs/stable/timestamp.html for documentation']
  }


  Table Donors as dd {
  id int8 [primary key, increment, note: 'ex: 1 for D001, will increment 2, 3, ... for D002, D003, ...']
  wallet_address  varchar  [note: 'ex: 0x....68t, different wallet address for each donor']
  }


  Table Donations as nn {
  id int8 [primary key, increment, note: 'ex: 1 for donation N001, will increment to 2, 3, ... for donations N002, D003, ...']
  donor_id int8 [ref: < Donors.id, note: 'ex: 1 for donor D001']
  project_id int8 [ref: < Projects.id, note: 'ex: 1 for project P001']
  proof_of_completion_file varchar [note: 'ex: water from air - adana project - Final report. pdf']
  project_completion_date_time_timezone timestamptz [note: 'ex: 2022-05-08 07:07:07.555555-05:00; Date and time, including time zone; check https://www.cockroachlabs.com/docs/stable/timestamp.html for documentation']
  }


  Table Governors as gg {
  id int8 [primary key, increment, note: 'ex: 1 for governor G001']
  wallet_address  varchar  [note: 'ex: 0x....68t, different wallet address for each governor']
  }


  Table SingleVotes as singlevote {
  id int8 [primary key, increment, note: 'ex: 1 for vote V001']
  project_id int8 [ref: < Donors.id, note: 'ex: 1 for proposal PL001']
  // VotingGovernorID is the ID of the governor who is voting for the proposal
  governor_id int8 [ref: < Governors.id, note: 'ex: 1 for VotingGovernor G001, empty if not relevant'] // the Governor that votes
  vote_value int8 [note: 'ex: either of 0 or 1, where 0 is reject, 1 is accept/approve']
  date_time_timezone timestamptz [note: 'ex: 2022-05-08 08:08:08.555555-05:00; Date and time, including time zone; check https://www.cockroachlabs.com/docs/stable/timestamp.html for documentation']
  }


  Table Decisions as decision {
  id int8 [primary key, increment, note: 'ex: 1 for decision E001']
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  project_id int8 [ref: < Donors.id, note: 'ex: 1 for proposal PL001']
  voting_result float8 [note: 'ex: 66.67, when 2 accept and 1 reject votes out of 3 voting governors, a percentage that is the percentage of accept votes among all the SingleVotes for that proposal']
  is_project_accepted bool [note: 'ex: true']
  date_time_timezone timestamptz [note: 'ex: 2022-05-08 11:11:11.555555-05:00; Date and time, including time zone; check https://www.cockroachlabs.com/docs/stable/timestamp.html for documentation']
  }


  Table SystemConstants as constant {
  min_perc_vote float8  [note: 'ex: 80; between 50 and 100, this is the percentage of votes required by a proposal to pass']
  path_reward_per_vote int8  [note: 'ex: 1, this is the number of PATH tokens distributed to each governor each time they submit a vote']
  hours_to_vote int8  [note: 'ex: 72, this is the number of hours given to Governors to submit a vote for a proposal, once they are invited to vote']
  days_to_claim_donation int8  [note: 'ex: 7, this is the number of days given to an Organization to claim the donation and start the project']
  days_to_complete_project int8  [note: 'ex: 30, this is the number of days given to an Organization to complete the project and submit the proof of completion report for a project, after they claimed the donation']
  }
```