

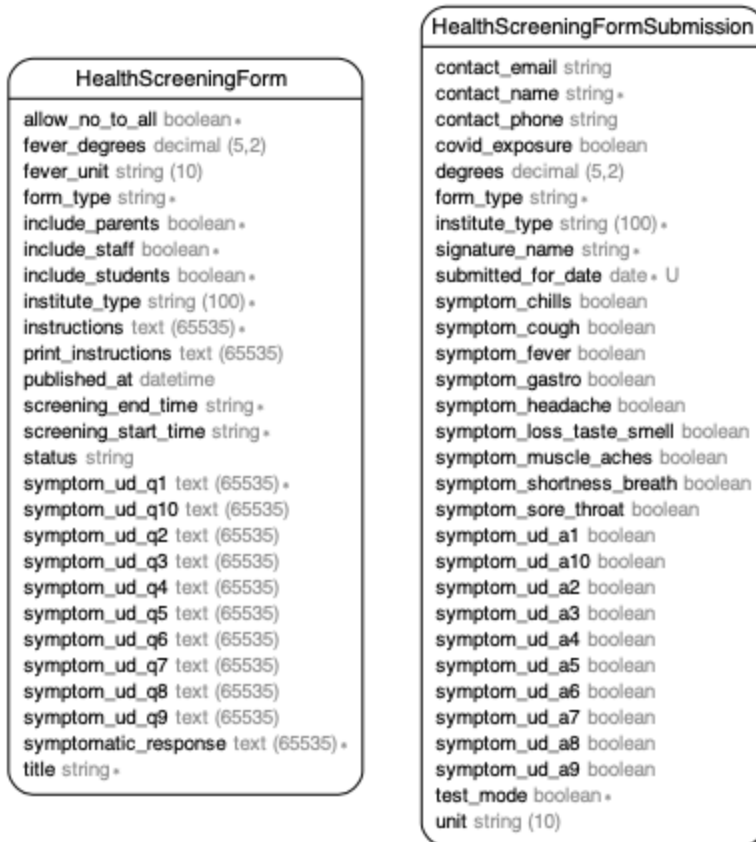
## Health Screening Report API Definition

1. Provide API to get the form definition
2. Provide API to get the form Submission
  - a. Filter by time range. Date or start\_time, end\_time (in school timezone)
  - b. Filter by role. Students or Staff
  - c. Pagination? (max 500 rows)

\*\* Data is only pulled in context of institute (school or district)

## Data Model

### ParentSquare domain model



## API Definition

GET /api/preview/[district|school]/:id/health\_screenings/form

e.g. response for standard

```
{
  "form_type": "long",
  "include_students": false,
  "include_staff": true,
  "include_parents": true,
  "title": "Daily Self-Screening Form",
  "instructions": "You must complete and submit this form each day before reporting to campus. If the answer to any of the following questions is YES, you must stay home.",
  "symptomatic_response": "You responded YES to one of the questions in the form. Please stay home, do not appear on campus and refer to the guidelines.",
  "allow_no_to_all": true,
  "screening_start_time": "20:00",
  "screening_end_time": "16:00",
  "fever_degrees": "100.4",
  "fever_unit": "F",
  "status": "published",
}
```

e.g. response for custom

```
{
  "institute_id": 586,
  "institute_type": "District",
  "form_type": "custom",
  "include_students": false,
  "include_staff": true,
  "include_parents": true,
  "title": "Daily Self-Screening Form",
  "instructions": "You must complete and submit this form each day before reporting to campus. If the answer to any of the following questions is YES, your child must stay home.",
  "symptomatic_response": "You responded YES to one of the questions in the form. Please keep your child at home and refer to the guidelines.",
  "allow_no_to_all": true,
  "screening_start_time": "20:00",
  "screening_end_time": "10:00",
  "fever_degrees": "100.4",
  "fever_unit": "F",
  "status": "published",
  "symptom_ud_q1": "In the last 48 hours, has your child experienced any of the following symptoms?\r\n\r\n* Fever (over 100.4\u00b0 F)\r\n* Headache\r\n* Cough\r\n* Congestion (runny nose)\r\n* Sore throat\r\n* Shortness of breath\r\n* Chills\r\n* Muscle aches\r\n*"
```

```

Loss of taste or smell\r\n* Gastrointestinal (nausea, vomiting or diarrhea)",
  "symptom_ud_q2": "Has your child had close contact with anyone diagnosed with COVID-19 in
the past 14 days? (Close contact is considered as being within six feet of someone, unmasked
for more than 15 minutes total in the past 24 hours)",
  "symptom_ud_q3": "Has anyone in your household tested positive for COVID-19 in the last 10
days?",
  "symptom_ud_q4": "Is anyone in your household awaiting COVID-19 results due to symptoms or
potential exposure to the virus?",
}

```

GET /api/preview/[district|school]/:id/health\_screenings/submissions

Parameters	Required	Example
date	YES	2021-02-12
role	YES	student staff

### Form Types

1. Custom: Apart from the student/contact information, it only returns the answers to the custom question that are defined in the form
2. Custom\_with\_body\_temp: Apart from the student/contact information, it only returns the answers to the custom question that are defined in the form plus temperature
3. long: Apart from the student/contact information, it returns all the standard questions apart from the body temperature (degrees)
4. long\_with\_body\_temp: Apart from the student/contact information, .....
5. short: Apart from the student/contact information, .....
6. short\_with\_body\_temp: Apart from the student/contact information, ...

### E.g. for Custom response

```

{
  "page":1,
  "total_records" : 1000,
  "total_pages": 2,
  "students": [
    {
      "student_id": 399, #This is the sis student_id, external_id in PS
      "submitted_by_id": 123, # this is sis contact id, external_id for students_users in ps
      "submitted_for_date": "2021-02-18",
      "form_type": "custom",
      "contact_name": "Normand Towne",
      "contact_email": "normand.towne@gmail.com",
      "contact_phone": "235364988",
      "signature_name": "Normand Towne",
    }
  ]
}

```

```
"symptom_ud_a1": false,
"symptom_ud_a2": false,
"symptom_ud_a3": false,
"symptom_ud_a4": false
},
{
  "student_id": 998,
  "submitted_by_id": 5133,
  "submitted_for_date": "2021-02-18",
  "form_type": "custom",
  "contact_name": "Sarina Hartmann",
  "contact_email": "Sarina.Hartmann@gmail.com",
  "contact_phone": "8784981955",
  "signature_name": "Sarina Hartmann",
  "symptom_ud_a1": true,
  "symptom_ud_a2": true,
  "symptom_ud_a3": false,
  "symptom_ud_a4": false
}
]
}
```

#### Long (for staff)

```
{
  "user_id": 5275445,
  "student_id": null,
  "submitted_by_id": 5275445,
  "submitted_for_date": "2021-02-18",
  "form_type": "long",
  "covid_exposure": false,
  "symptom_fever": false,
  "symptom_sore_throat": false,
  "symptom_muscle_aches": false,
  "symptom_headache": false,
  "symptom_shortness_breath": false,
  "symptom_loss_taste_smell": false,
  "symptom_cough": false,
  "symptom_chills": false,
  "symptom_gastro": false,
  "degrees": null,
  "unit": "F",
  "contact_name": "Jack Ma",
  "contact_email": "dma@gmail.com",
  "contact_phone": null,
  "signature_name": "Jack Crank"
}
```

## Authorization

- 1) `migrate_resource_owner_id` rake task will need to be run in production so `Doorkeeper::AccessTokens` can be assigned to a string value
- 2) Add a migration to add "health\_screening" to the scopes of the `Doorkeeper::Application` with name="Customer API"
- 3) Create a `Doorkeeper::AccessToken` with `resource_owner_id="District/586"` and `scopes="health_screening"`. *This can be done from the Rails shell on the server.*
- 4) Add `before_action -> { doorkeeper_authorize! :health_screening}` to the controller for the new APIs
- 5) Update the Ability model's initialize method to accept the following optional parameters: `institute_type, institute_id, scopes`
- 6) Update the `read_health_form_submissions`, Institute ability to return true if
  - a) The institute matches or is a child institute of the institute provided in the initialize params
  - b) And the scopes value contains "health\_screening"
- 7) Update the `current_user` method in `app/controllers/api/v2/base_controller.rb` to set the current user and `@current_ability` if `doorkeeper_token` exists and the `resource_owner_id` contains "District" or "School"
  - a) `@current_user = User.new`
  - b) `@current_ability = Ability.new(@current_user, institute_type, institute_id, doorkeeper_token.scopes)`

## Sending an authorized request

- 1) Add a "Authorization" header with a value of "Bearer <token>" with <token> replaced with the API access token supplied by ParentSquare