

# Architecture Document, Version 1.1

## Dinner Out Architecture Document

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This document describes the data model and routes in Dinner Out.

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### V1.1 note

This color scheme isn't followed everywhere, but still...

\*\*\*\*\*Anything highlighted in PURPLE is a deletion from the previous version\*\*\*\*\*

\*\*\*\*\*Anything highlighted in GREEN is a new addition from the previous version\*\*\*\*\*

\*\* We changed all generate commands from model to "scaffolding" \*\*

## School Table

| School      |         |                            |
|-------------|---------|----------------------------|
| Col         | Type    | Notes                      |
| id*         | integer | *built-in                  |
| full_name   | string  |                            |
| screen_name | string  | 8 alphanums or less        |
| icon        | string  | One from school icon list  |
| color       | string  | One from school color list |
|             |         |                            |
| email       | string  | Schools main email         |
| website     | string  | School website             |
| description | text    | Notes about school         |

Rails generate command to generate the model:

```
rails generate scaffold School full_name:string screen_name:string  
icon:string color:string email:string website:string  
description:string
```

Note: the screen\_name attribute is called "School ID" in the UX.

## Teacher Table

| Teacher         |          |   |
|-----------------|----------|---|
| Col             | Type     | Notes   |
| id*             | integer  | *built-in   |
| user_name       | string   | login.unique!                                     |
| password_digest | string   | Hashed password (through digest)                  |
| last_login      | datetime | Set on every login                                |
|                 |          |   |
| full_name       | string   |   |
| screen_name     | string   | 8 alphanums or less                               |
| icon            | string   | One from teacher icon list                        |
| color           | string   | One from teacher color list                       |
|                 |          |   |
| email           | string   | Teacher's email                                   |
| description     | text     | Description                                       |
| powers          | string   | One of three choices: Admin, Teacher, SessionOnly |
| school_id       | integer  | Owner school                                      |

Rails generate command to generate the model:

```
rails generate scaffold Teacher user_name:string  
password_digest:string last_login:datetime full_name:string  
screen_name:string icon:string color:string email:string  
description:text powers:string school_id:integer
```

School\_id: foreign key for the school the teacher works for

Super admin is id\* == 1

## Student Table

| Student          |         |                                |
|------------------|---------|--------------------------------|
| Col              | Type    | Notes                          |
| id*              | integer | *built-in                      |
| full_name        | string  |                                |
| screen_name      | string  | 8 alphanums or less            |
| icon             | string  | One from student icon list     |
| color            | string  | One from student color list    |
|                  |         |                                |
| contact_info     | string  | Contact information            |
| description      | text    | Notes about student            |
| session_interval | integer | Choices: 5, 15, 30, 60 minutes |
| school_id        | integer | Owner school                   |

Rails generate command to generate the model:

```
rails generate scaffold Student full_name:string screen_name:string  
icon:string color:string contact_info:string description:text  
session_interval:integer school_id:integer
```

School\_id: foreign key for the school the student is owned by

## Square Table

| Square      |         |                                    |
|-------------|---------|------------------------------------|
| Col         | Type    | Notes                              |
| id*         | integer | built-in                           |
| full_name   | string  |                                    |
| screen_name | string  | 3 alphanums or less                |
| color       | string  | One from square color list         |
|             |         |                                    |
| type        | integer | enum:duration, frequency, interval |
| description | text    |                                    |
| school_id   | integer | Owner school                       |

Rails generate command to generate the model:

```
rails generate scaffold Square full_name:string screen_name:string  
color:string type:integer description:text school_id:integer
```

id\*: uniquely rails generated id

School\_id: foreign key for the school the teacher works for

## Session Table

| Session         |          |   |
|-----------------|----------|---|
| Col             | Type     | Notes   |
| id*             | integer  | *built-in   |
| start_time      | datetime | Session start time                                |
| end_time        | datetime | Session end time                                  |
| session_teacher | integer  | Teacher in charge of session                      |
| session_student | integer  | Student that is the focus of the behavior session |

Rails generate command to generate the model:

```
rails generate scaffold Session start_time:datetime end_time:datetime  
session_teacher:integer session_student:integer
```

## Session Event Table

| Session Event      |          |                           |
|--------------------|----------|---------------------------|
| col                | Type     | Notes                     |
| id*                | integer  | Built-in                  |
| behavior_square_id | integer  | Behavior square unique id |
| square_press_time  | datetime | Time when pressed         |
| duration_end_time  | datetime |                           |
| session_id         | integer  |                           |

Rails generate command to generate the model:

```
rails generate scaffold Session_Event behavior_square_id:integer  
square_press_time:datetime duration_end_time:datetime  
session_id:integer
```

Session Events: used to keep track all events that happen during a session. Session\_id correlates to the session it happened in. Keeps track of the the behavior sqaure that the event is for.

## Session Note Table

| Session Note |          |                           |
|--------------|----------|---------------------------|
| col          | Type     | Notes                     |
| id*          | integer  | *built-in                 |
| note         | text     |                           |
| session_id   | integer  | Owner session             |
| created_at*  | datetime | *built-in, note timestamp |

Rails generate command to generate the model:

```
rails generate scaffold Session_Note note:text session_id:integer  
created_at:datetime
```

This table is new for V1.1. It's for Rolando M, the Note Master.



## Roster Square Table

| Roster Square |         |                  |
|---------------|---------|------------------|
| col           | Type    | Notes            |
| id*           | integer | Built-in         |
| square_id     | integer | Square unique id |
| student_id    | integer | owner            |

Rails generate command to generate the model:

```
rails generate scaffold Roster_Square square_id:integer  
student_id:integer
```

Pair of student\_id and square\_id. Used to keep track of what behaviors are being track for a student.

## Roster Student Table

| Roster Student |         |          |
|----------------|---------|----------|
| Col            | Type    | Notes    |
| id*            | integer | Built_in |
| student_id     | integer | owner    |
| teacher_id     | integer | owner    |

Rails generate command to generate the model:

```
rails generate scaffold Roster_Student student_id:integer  
teacher_id:integer
```

Pair of student\_id and teacher\_id. Used to keep track of what students a teacher has on their roster.

## Routes

| Screen Name                             | Action      | Path            | TO                    |
|---|-------------|-----------------|-----------------------|
| <b>login</b><br>User login              |             | root            | loginsessions#new     |
| <b>login</b><br>User login action       |             | /login          | loginsessions#create  |
| <b>login2</b><br>Forgot password        |             |                 |                       |
| <b>login2</b><br>Forgot password action |             |                 |                       |
| <b>logout1</b>                          |             | /logout         | loginsessions#destroy |
| <b>logout2</b><br>About logout artwork  |             | /logout/about   | loginsessions#about   |
| <b>home1</b>                            | <b>show</b> | <b>/home</b>    | <b>teachers#home</b>  |
| <b>session1</b><br>Start session        | new         | /session        | sessions#new          |
| <b>session2.0</b><br>update session     | update      | /session/update | sessions#update       |
| <b>session2.1</b><br>End session        | update      | /session/end    | sessions#end          |
| <b>admin1</b><br>Admin dashboard        | index       | /admin/home     | admin#home            |
| <b>admin2</b><br>Admin Report           | show        | /admin/report   |                       |
| <b>super1</b><br>Super dashboard        | index       | /super/home     |                       |
| <b>super2</b><br>Super report           | show        | /super/report   |                       |
| <b>school1</b><br>All schools           | index       | /schools        |                       |

|                                    |       |                               |  |
|------------------------------------|-------|-------------------------------|--|
| <b>school2</b><br>School profile   | show  | /schools/<schoolID>           |  |
| <b>school3</b><br>New school       | new   | /schools/new                  |  |
| <b>teacher1</b><br>All teachers    | index | /teachers                     |  |
| <b>teacher2</b><br>Teacher profile | show  | /teachers/<teacherID>         |  |
| <b>teacher3</b><br>New teacher     | new   | /teachers/new                 |  |
| <b>teacher4</b><br>Student roster  | show  | /teachers/<teacherID>/roster  |  |
| <b>teacher5</b><br>Change password | edit  | /teachers/<teacherID>/edit    |  |
| <b>student1</b><br>All students    | index | /students                     |  |
| <b>student2</b><br>Student profile | show  | /students/<studentID>         |  |
| <b>student3</b><br>New student     | new   | /students/new                 |  |
| <b>student4</b><br>Student squares | show  | /students/<studentID>/squares |  |
| <b>square1</b><br>All squares      | index | /squares                      |  |
| <b>square2</b><br>Square profile   | show  | /squares/<squareID>           |  |
| <b>square3</b><br>New square       | new   | /squares/new                  |  |

Note: Rolando M will add the notes test page. We'll also need to add Analysis pages for reports, chart, and CSV as they are added.

## Relationships

Teacher table: school\_id int owner school

Student table: school\_id int ownerschool

Square table: school\_id int owner school

*/\* What is this? Can it be deleted? thanks... yow, bill \*/*