CS 148 B

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Assignment: Final Project

Merrill's Roxy Cinema

Version <1.0>

Merrill's Roxy Cinema	Version <1.0>
	Date : 12/9/16

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Time Log

		Estimated time to complete assignment =>	50 Hours
Date	Time (hours)	Description	Author
10/30/16	2	brainstorming ideas	Noah Patullo
11/3	1.5	jquery/ajax form reloading tests	Noah Patullo
11/4	1	figuring out how to add new data (insert/update)	Noah Patullo
11/6	2	logistics of form submission	*Noah Patullo*
11/7	1	planning connections between tables	Noah Patullo
11/10	1.5	deleting from tables	Noah Patullo
11/16	2	Database setup	Noah Patullo
11/17	4	Adding to movies table, forms	Noah Patullo
11/18	4	edit existing movie info form	Noah Patullo
11/20	1	connecting pictures to movies	Noah Patullo
11/21	10	form validation (dates), & showtimes	Noah Patullo
11/22	6	reviews, validation, form & database integration	Noah Patullo
11/24	1	admin nav, htaccess fix	Noah Patullo
11/27	4.5	css, displaying showtimes	Noah Patullo
11/28	6	display homepage	Noah Patullo
11/29	2	showtimes fix	Noah Patullo
12/2	3	reviews, coming soon	Noah Patullo
12/4	9	newslett form, php cleanup, css	Noah Patullo
12/6	2	cleanup	Noah Patullo
12/7	1	final adjustments	Noah Patullo
	64.5	<=Total Time Spent	

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Introduction

Purpose

The purpose of this document is to describe the requirement specification for the web site "Merrill's Roxy Cinema".

The intended audience for this document is the current owners of the movie theater, or another small theater that wants a site to manage & update current movie showtimes

Definitions, acronyms, and abbreviations

Sample for the client:
ER Diagram – a diagram to represent the data you want to save with your system
W3 Validation – refers to both Html and CSS validation tool provided by the W3c.org. the html validator is located at:
http://validator.w3.org/
with the CSS validator located at:
http://jigsaw.w3.org/css-validator/

Overall Description

Merrill's Roxy Cinema is a real theater, but I replicated their site for the purpose of creating a database management system for movies and showtimes. My main focus was the database and used the existing site as a template for content.
The public site is pretty basic. The most important thing being showtimes for current movies.
I automatically display showtimes based on when they expire using the admin back end and old ones are removed

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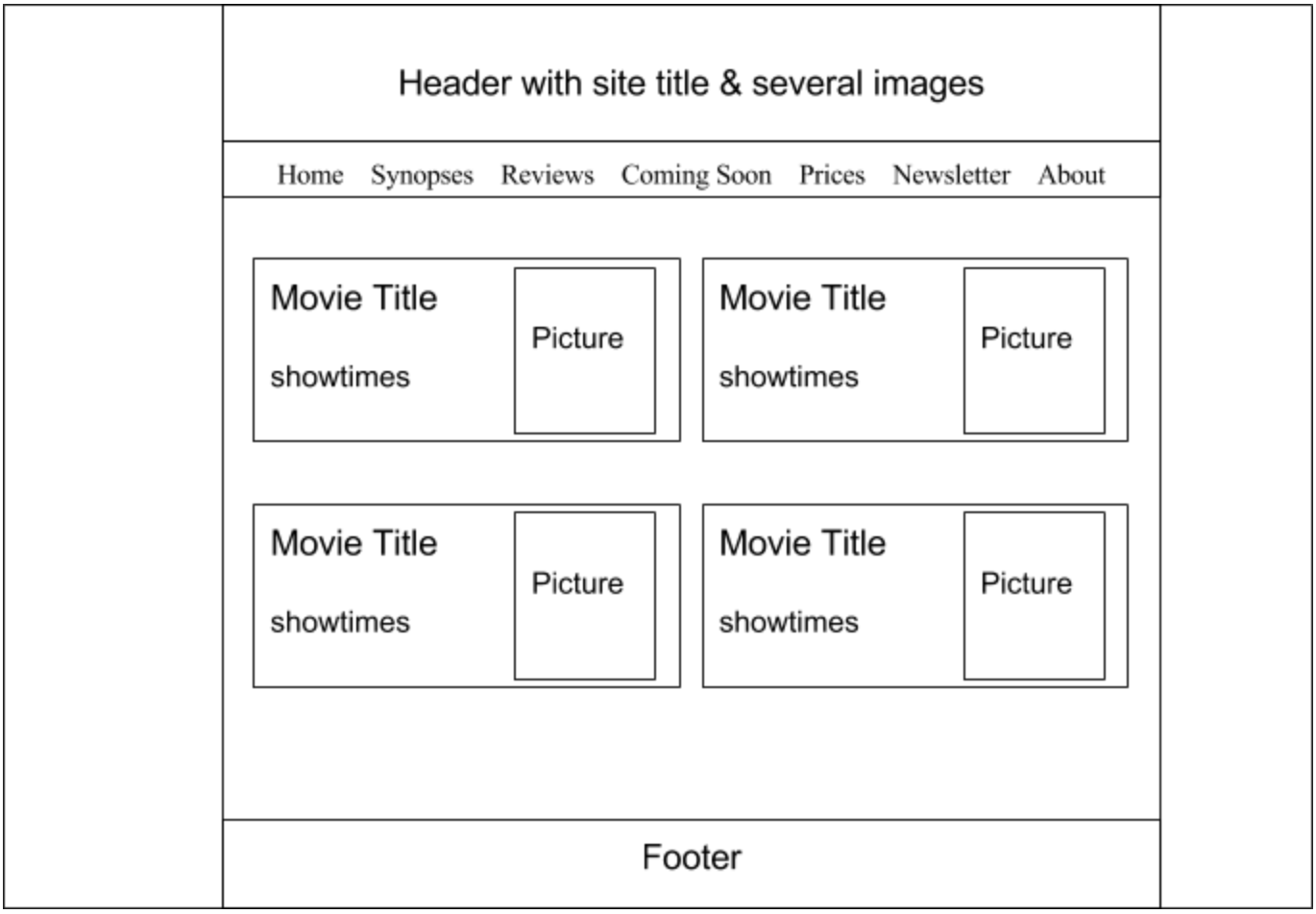
Story Board



This will be a centered layout with most pages having a similar look
Some pages follow the 2-column layout
and others will just be full width (Coming soon, about & Reviews)

Data Dictionary

tblMovies

Column	Type	Null	Default	Links to
pmkMovieId *(Primary)*	int(6)	No		
fldTitle	varchar(180)	No		
fldRuntime	int(3)	No		
fldRating	varchar(15)	Yes	*NULL*	
fldReleaseDate	date	No		
fldDisplay	varchar(15)	No		
fldDirector	varchar(80)	Yes	*NULL*	

tblPictures

Column	Type	Null	Default	Links to
fnkMovieId *(Primary)*	int(6)	No		tblMovies.pmkMovieId
fldImgFilename	varchar(150)	No		
fldImgType	varchar(30)	No	Poster	

tblReviews

Column	Type	Null	Default	Links to
pmkReviewId *(Primary)*	int(8)	No		
fnkMovieId	int(6)	No		tblMovies.pmkMovieId
fldAuthor	varchar(70)	No		
fldReviewDate	date	No		
fldReviewSource	varchar(100)	Yes	*NULL*	
fldReview	text	No		

tblShowtimes

Column	Type	Null	Default	Links to
pmkShowtimeId *(Primary)*	int(7)	No		
fnkMovieId	int(6)	No		tblMovies.pmkMovieId
fldHour	int(2)	No		
fldMinute	int(2)	No		
fldMeridian	char(2)	No		
fldShowtimePosts	date	No		
fldShowtimeExpires	date	No		
fldDimension	char(2)	Yes	*NULL*	

tblSynopses

Column	Type	Null	Default	Links to
fnkMovieId *(Primary)*	int(6)	No		tblMovies.pmkMovieId
fldSynopsis	varchar(1000)	No		

tblRecipients

Column	Type	Null	Default	Links to
pmkEmail *(Primary)*	varchar(100)	No		

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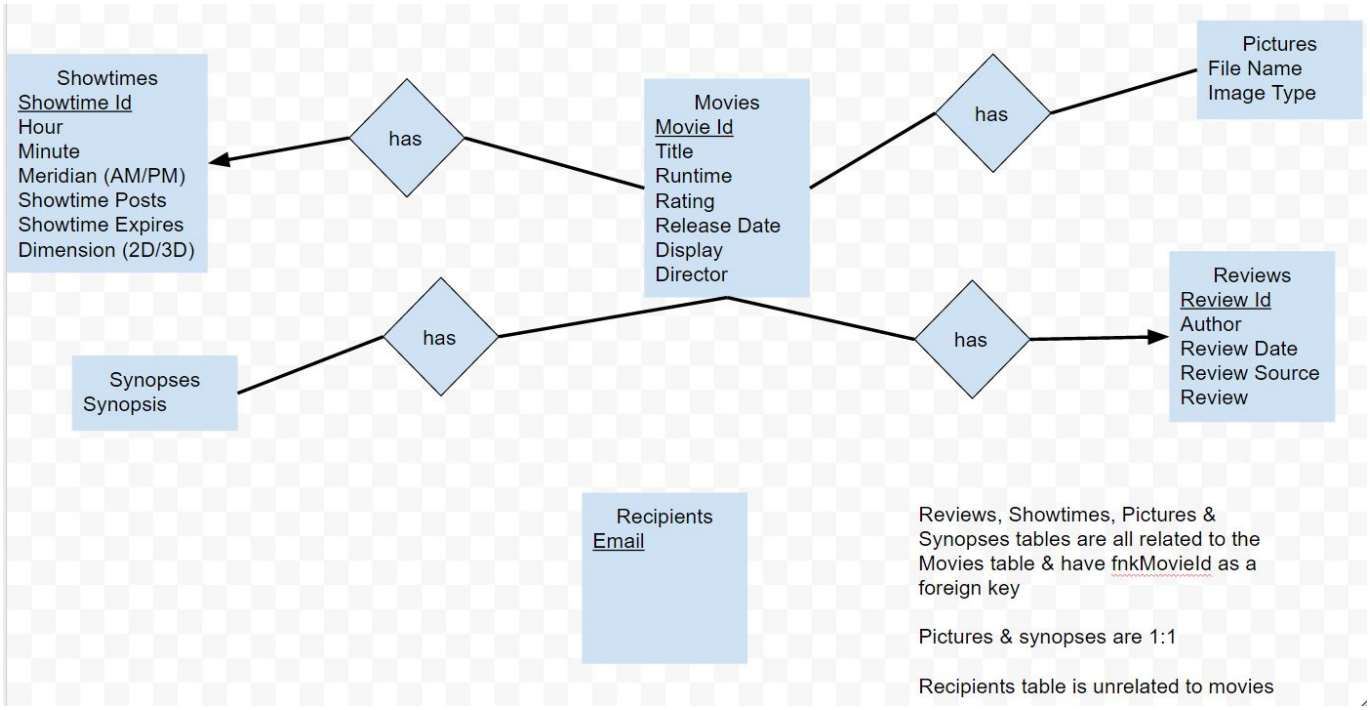
ER- Diagram



Schema

```
CREATE TABLE IF NOT EXISTS tblMovies (
  pmkMovieId int(6) NOT NULL PRIMARY KEY AUTO_INCREMENT,
  fldTitle varchar(180) NOT NULL,
  fldRuntime int(3) NOT NULL,
  fldRating varchar(15) DEFAULT NULL,
  fldReleaseDate date NOT NULL,
  fldDisplay varchar(15) NOT NULL,
  fldDirector varchar(80) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;


CREATE TABLE IF NOT EXISTS tblPictures (
  fnkMovieId int(6) NOT NULL PRIMARY KEY,
  fldImgFilename varchar(150) NOT NULL,
  fldImgType varchar(30) NOT NULL DEFAULT 'Poster'
) ENGINE=InnoDB DEFAULT CHARSET=utf8;


CREATE TABLE IF NOT EXISTS tblRecipients (
  pmkEmail varchar(100) NOT NULL PRIMARY KEY
) ENGINE=InnoDB DEFAULT CHARSET=utf8;


CREATE TABLE IF NOT EXISTS tblReviews (
  pmkReviewId int(8) NOT NULL PRIMARY KEY AUTO_INCREMENT,
  fnkMovieId int(6) NOT NULL,
  fldAuthor varchar(70) NOT NULL,
  fldReviewDate date NOT NULL,
  fldReviewSource varchar(100) DEFAULT NULL,
  fldReview text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE IF NOT EXISTS tblShowtimes (
  pmkShowtimeId int(7) NOT NULL PRIMARY KEY AUTO_INCREMENT,
  fnkMovieId int(6) NOT NULL,
  fldHour int(2) NOT NULL,
  fldMinute int(2) NOT NULL,
  fldMeridian char(2) NOT NULL,
  fldShowtimePosts date NOT NULL,
  fldShowtimeExpires date NOT NULL,
  fldDimension char(2) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;


CREATE TABLE IF NOT EXISTS tblSynopses (
  fnkMovieId int(6) NOT NULL PRIMARY KEY,
  fldSynopsis varchar(1000) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

Specific requirements

1. The front-end that the user sees will be a centered layout with 2 columns on some page & others full width
2. Homepage is for showtimes with each movie being a little article box with rounded corners
3. Coming soon & Synopses are very similar layouts, but just different data being displayed from the database
4. Background photo is orange & yellow. Text & background match it
5. A simple header with images from the company will display location & phone & map
6. A mailing list/newsletter page that emails the user & saves their info
    a. A message is shown if they are already in the database
7.
8. Most of the coding is on the back-end for admins of the site to add movies
9. A fully-functional admin pages allows you to:
    a. Add a new movie
        i. Movies can be added as 'hidden' for the future or 'coming soon' or 'current'
        ii. deleting a movie removed all associated data
        iii. Pictures are stored on the server and you can only choose 1 poster per movie (one that's not already used by another movie).
    b. Edit the info once a movie is added
        i. synopses are optional & only displayed if they exist
    c. add showtimes to that movie
        i. each has an post date & expiration & are only shown on the site in that time frame
        ii. a move is only shown if it has visibility "Current" & actually has any showtimes
        iii. delete showtimes
    d. Add reviews & edit them
        i. Completely optional & a move doesn't appear on the reviews page if it doesn't have any reviews or is no longer showing
10. A message is displayed notifying the admin what they just changed, added or deleted
11. All data associated with a movie can be updated, changed, or removed completely
12. All data is validated to make sure it's in the correct format for the database to accept