

Theatre Review Mashup Service (**DUE May 4th**)

Create a web service that takes in theatre and play reviews from multiple sources and organizes them by genre, popularity, name, and date. Your Theatre Mashup Service will be a REST service but will communicate with review sources via SOAP. The REST service will store reviews into a database when it retrieves them from the news sources so it can keep these cached.

Each review source will be a SOAP service. I will provide you several several text files that your review sources will read in. Each file contains a number of reviews. Feel free to add your own content. Each story has a genre, date, name of the theatre play, source of review, title of review, and the review text itself. You can store these reviews in memory instead of in a database.

Finally you will also create a web client to access your theatre mashup service. I'll leave it up to you on how you want to display the UI for your web client but your service should present the following information:

- List of all theatre plays. Clicking on any given play will bring up its reviews.
- List of genres. Clicking a genre will list the plays in that genre. Clicking on a play in that latter list will bring up its reviews.
- List play reviews by date. List of all play reviews grouped by date. Again clicking on a play review will bring up its review by that specific source.
- List play reviews by source.
- Search by name. Lets the users search for reviews by name of the play.

Additional Requirements of your REST service

- Your REST service should check the database first for a play before contacting its SOAP services.
- At any point in listing of plays or play reviews, clicking that play will bring up its list of reviews or clicking on a review in a list will bring up the review itself.

Requirements for SOAP review sources

- Each source will read in reviews from a text file and store them in memory.
- Supports clients being able to get a list of reviews by date, genre, name, or simply get all reviews.