# Project 1 Report - *Ryan Rouleau*

## Features added

An image for each article item is now displayed underneath the article title if present in the rss.

## Database Changes

To be able to store the image links for each article, I altered the items table with a new column to hold the image link called `itemImg` . I used the following SQL command to do this:

```
ALTER TABLE items
ADD itemImg varchar(255) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL;
```

## Code Changes

To grab the image link, I modified a few parts of `fetchsimplepie.php` to be able to parse the image link from the article. To accomplish that, I first updated the insert queries with the newly created `itemImg` column. Then to grab the link, I used `$item->get_enclosure()->get_link()` . Then the result of the call was put into the updated insertion queries so it can be stored in the database.

I decided I wanted the image to be displayed directly underneath the title of the article. This determined where I put the code to echo the image link from the database (under the echos for the title in `index.php` ).

To be able to grab the image link, I updated the selection queries at the top of the file to include our new column `itemImg` . Then I added this code:

```
if ($item['itemImg'] != NULL) && (strlen($item['itemImg']) > 0) {
    echo "<img src=\"";
    echo $item['itemImg'];
    echo "\" style=\"width:100%\" />";
}
```

to the `displayItem()` function directly under the echo's for the title.

This work produced the following result on the homepage:

News    Feeds    Help

**CNN.com - RSS Channel - HP Hero**

**LATEST: President Trump visited survivors and first responders of the Las Vegas massacre**  Oct 4 12:20pm
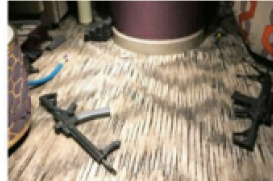


**A distinctive grief shared among Las Vegas survivors**  Oct 4 9:28am



Tony Burditus never got a chance to say good-bye to his high school sweetheart.

**Police: Gunman fired for at least 9 minutes**  Oct 4 1:57pm



It took about 10 minutes for Stephen Paddock to carry out the deadliest mass shooting in modern US history.

**CNN.com - RSS Channel - World**

**Dozens die as plague menaces Madagascar**  Oct 4 11:03am



An unusually widespread outbreak of the plague is menacing Madagascar.

**Nobel prize awarded for imaging molecules**  Oct 4 7:58am



The Nobel Prize in Chemistry 2017 has been awarded to three scientists for pioneering work on new methods of visualising biomolecules like the Zika virus.
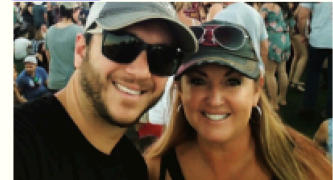
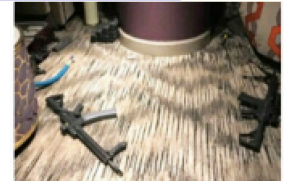**This 900-year-old Chinese bowl just sold for $38 million**  Oct 3 12:52pm



An antique Chinese bowl

**CNN.com - RSS Channel - US**

**A distinctive grief shared among Las Vegas survivors**  Oct 4 9:28am



**Police: Gunman fired for at least 9 minutes**  Oct 4 5:30pm



It took about 10 minutes for Stephen Paddock to carry out the deadliest mass shooting in modern US history.

**How killer turned rifle into a machine gun**  Oct 4 2:32pm



The gunman in the Las Vegas massacre may have rigged his guns with devices that enable a shooter to fire bullets rapidly, mimicking automatic fire.