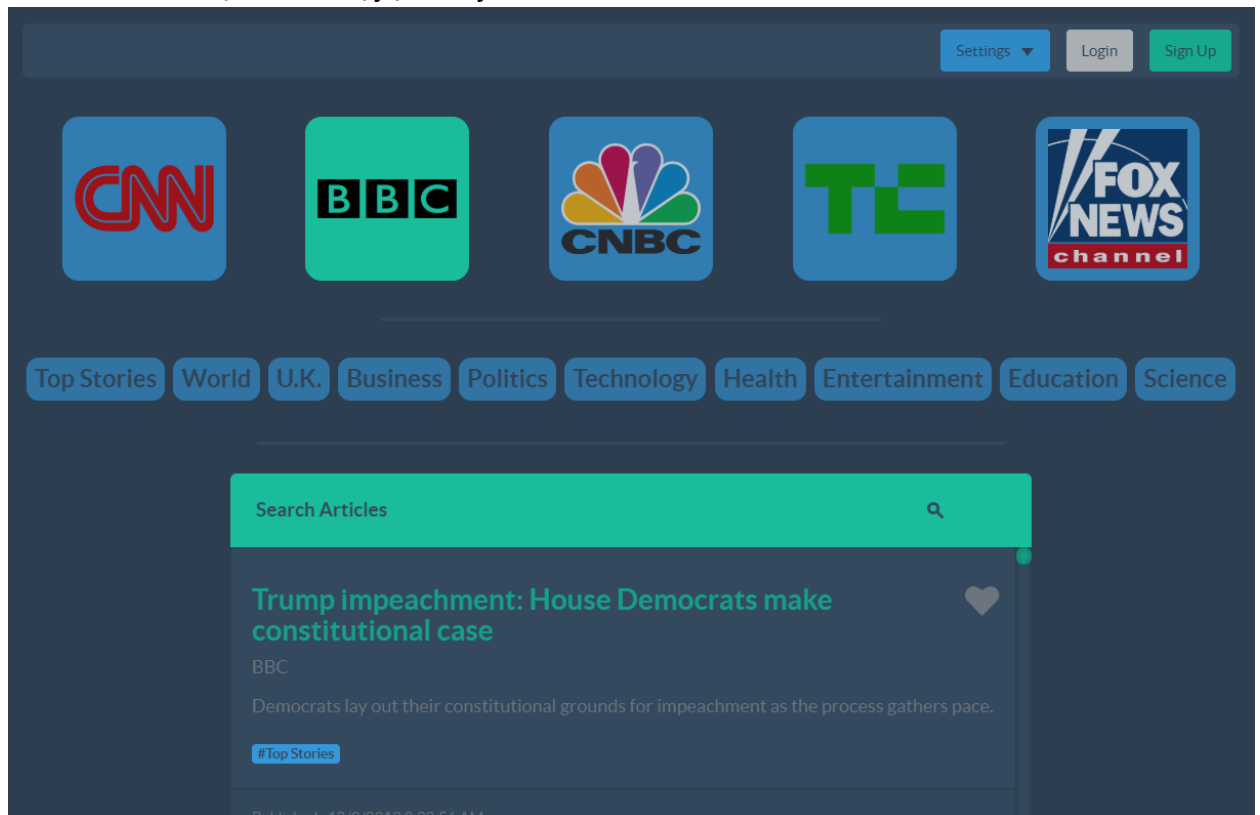# User Stories and Test Cases

1. A user can browse news articles from many websites, and every website will have associated genres.

   Location of code: HomeController.cs, Views/Home/Index.cshtml , ArticleContext.cs GenreContext.cs, wwwroot/js/filter.js



2. An admin can easily update database of news articles by running python script. This python script does web scraping on RSS feeds to extract article data such as a Title and a Link.
   Location: python_code/poparticles.py
   Note: poparticles.py has dependencies on dbconnection.py, rssfeed.py, and feedparser (a public library)

| articleid | title | url | date | websiteid | genreid | description |
|---|---|---|---|---|---|---|
| 5582 | House Judiciary Committee releases report outli... | http://rss.cnn.com/~r/rss/cnn_latest/~3/CoGZ... | 2019-12-07 23:17:34 | 1 | 11 | The House Judiciary Committee on Saturday rel... |
| 5583 | Video captures the sound of joy when a baby's ... | http://rss.cnn.com/~r/rss/cnn_latest/~3/u44z... | 2019-12-07 23:08:31 | 1 | 11 | When the video starts, 4-month-old Georgina sil... |
| 5584 | Cerebral palsy couldn't stop this 17-year-old fro... | http://rss.cnn.com/~r/rss/cnn_latest/~3/kQQq... | 2019-12-07 22:29:08 | 1 | 11 | A 17-year-old with cerebral palsy just walked ac... |
| 5585 | He almost lost his friend to a motorcycle acciden... | http://rss.cnn.com/~r/rss/cnn_latest/~3/z-5YK... | 2019-12-07 21:57:54 | 1 | 11 | A college student and avid motorcyclist has cre... |
| 5586 | Florida shooting is the last thing Saudis want | http://rss.cnn.com/~r/rss/cnn_latest/~3/mxBz... | 2019-12-07 21:57:50 | 1 | 11 | That it was Saudi Arabia's King Salman bin Abdul... |
| 5587 | 'We've gone this far': Farmers stick with Trump ... | http://rss.cnn.com/~r/rss/cnn_latest/~3/UWve... | 2019-12-07 21:45:10 | 1 | 11 | From the very start, President Donald Trump's t... |
| 5588 | 'This is sweet!' A delivery driver is overjoyed at ... | http://rss.cnn.com/~r/rss/cnn_latest/~3/BAn7-... | 2019-12-07 21:43:58 | 1 | 11 | For the past four or five years during the holida... |
| 5589 | Racist incident mars Manchester derby as Unite... | http://rss.cnn.com/~r/rss/cnn_latest/~3/RHIC... | 2019-12-07 21:29:15 | 1 | 11 | An incident of racist abuse by a supporter towa... |
| 5590 | Adults with their own adoption stories react to t... | http://rss.cnn.com/~r/rss/cnn_latest/~3/CPyz3... | 2019-12-07 21:25:26 | 1 | 11 | On his formal adoption day, a gregarious 5-yea... |
| 5591 | Trump names Secret Service official as new chie... | http://rss.cnn.com/~r/rss/cnn_latest/~3/bOCY... | 2019-12-07 21:17:27 | 1 | 11 | President Donald Trump on Saturday named An... |
| 5592 | New satellite image shows activity at previously... | http://rss.cnn.com/~r/rss/cnn_latest/~3/sd_IP... | 2019-12-07 21:05:50 | 1 | 11 | A new satellite image obtained by CNN indicates... |
| 5593 | France shuts down as Macron touches the third... | http://rss.cnn.com/~r/rss/cnn_latest/~3/t2C1D... | 2019-12-07 20:35:56 | 1 | 11 | David Andelman says France is paralyzed by str... |
| 5594 | Several wedding planning sites will stop promoti... | http://rss.cnn.com/~r/rss/cnn_latest/~3/NZ2pJ... | 2019-12-07 20:27:43 | 1 | 11 | |
| 5595 | A victim of the Pensacola naval base shooting h... | http://rss.cnn.com/~r/rss/cnn_latest/~3/XW77... | 2019-12-07 20:22:10 | 1 | 11 | Joshua Kaleb Watson, one of the three people ... |
| 5596 | General election 2019: Parties in final campaign ... | https://www.bbc.co.uk/news/election-2019-50... | 2019-12-08 01:42:53 | 3 | 1 | The leaders make fresh appeals to voters - defi... |
| 5597 | Anthony Joshua beats Andy Ruiz Jr to reclaim h... | https://www.bbc.co.uk/sport/boxing/50701313 | 2019-12-07 23:32:25 | 3 | 1 | Anthony Joshua wins his world heavyweight titl... |
| 5598 | Pensacola attack: Gunman 'played mass-shootin... | https://www.bbc.co.uk/news/world-us-canada-... | 2019-12-07 22:43:01 | 3 | 1 | The Saudi student played footage at a dinner b... |
| 5599 | Racist abuse reported at Manchester derby | https://www.bbc.co.uk/sport/football/50701717 | 2019-12-07 22:12:20 | 3 | 1 | Manchester City pledge a lifetime ban to "anyon... |
| 5601 | Russia doping: Athletes wait in fear of fresh wo... | https://www.bbc.co.uk/news/world-europe-50... | 2019-12-08 00:01:13 | 3 | 1 | Russia faces another sport ban over a doping s... |
| 5602 | Trump impeachment: House Democrats make co... | https://www.bbc.co.uk/news/world-us-canada-... | 2019-12-08 02:32:56 | 3 | 1 | Democrats lay out their constitutional grounds f... |
| 5603 | Police probe alleged fraud at Scottish Qualificati... | https://www.bbc.co.uk/news/uk-scotland-glasg... | 2019-12-08 00:26:21 | 3 | 1 | An investigation has been launched into an alle... |
| 5604 | Ron Saunders: Former Aston Villa manager dies ... | https://www.bbc.co.uk/sport/football/50701448 | 2019-12-07 21:37:00 | 3 | 1 | Former Aston Villa manager Ron Saunders dies ... |
| 5605 | Missing Polish goalkeeper: Appeal to trace Kamil... | https://www.bbc.co.uk/news/uk-england-beds-... | 2019-12-08 00:18:05 | 3 | 1 | Kamil Biecke has not been seen for a year and p... |
| 5606 | Pensioner in £193,000 inheritance battle after s... | https://www.bbc.co.uk/news/uk-50702234 | 2019-12-07 23:22:43 | 3 | 1 | A 74-year-old had his share of an inheritance wi... |
| 5607 | General election 2019: Source of UK-US trade d... | https://www.bbc.co.uk/news/uk-50699168 | 2019-12-07 19:45:25 | 3 | 1 | Labour says the documents show the NHS woul... |
| 5608 | US and Iranian men released in prisoner swap | https://www.bbc.co.uk/news/world-middle-east... | 2019-12-07 18:14:15 | 3 | 1 | Xiyue Wang was jailed in Iran in 2016 while Mas... |
| 5609 | The Papers: 'Anti-Tory tactical vote' and 'Brexit'... | https://www.bbc.co.uk/news/blogs-the-papers... | 2019-12-07 23:12:38 | 3 | 1 | The final Sunday papers before the election car... |
| 5610 | Morrurea's Christmas (fire) cracker | https://www.bbc.co.uk/news/entertainment-ar... | 2019-12-08 00:17:05 | 3 | 1 | A behind-the-scenes look at the making of the v... |

3.  A user can filter the articles based on the genre.  Multiple genres can be selected, and
    they will be ordered by date.
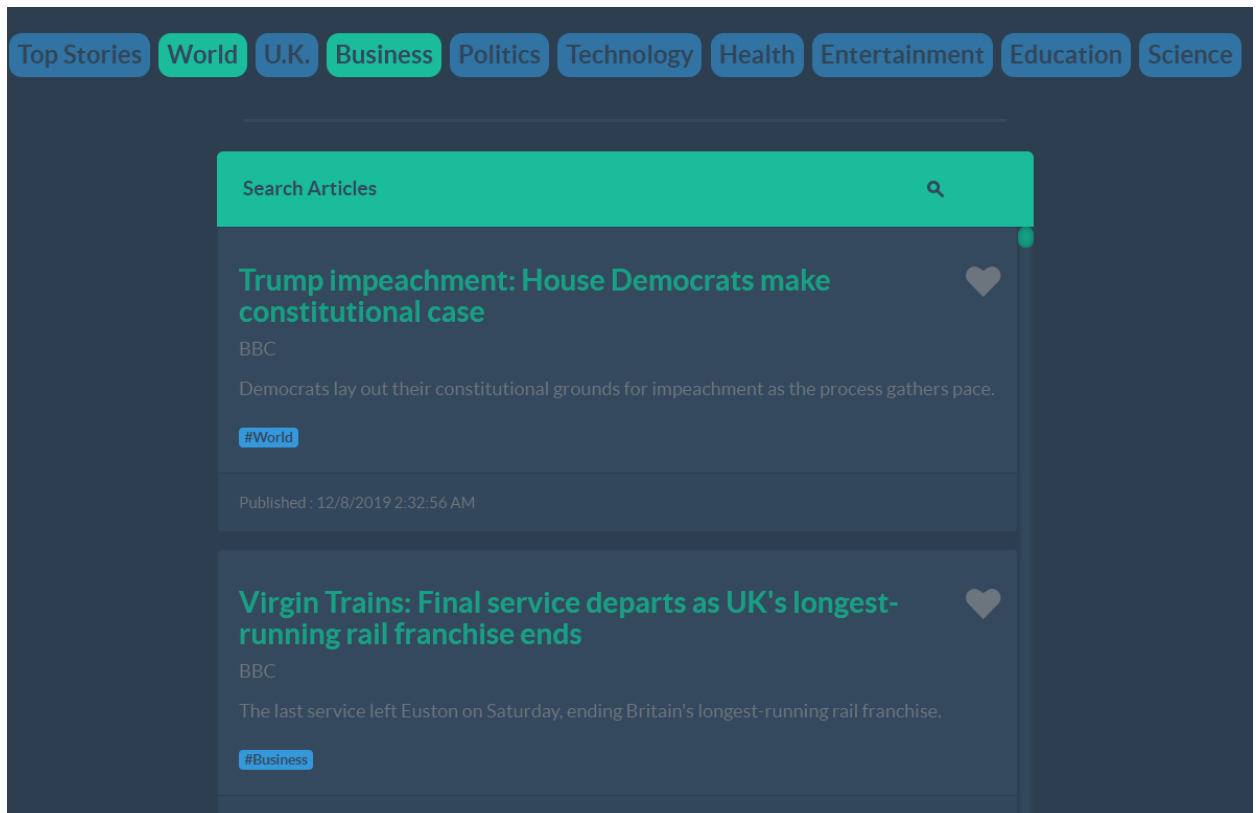


4.  A user can toggle settings from the dropdown menu.  These settings control the look and
    feel of the website.
    Location of code: wwwroot/js/site.js
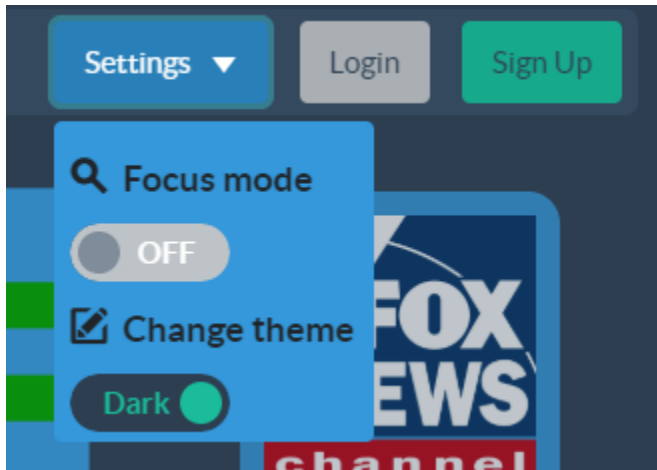
5.  A user can create an account which will persist in the database.  A valid email and password must be used.  Upon sign up, the user will be logged in automatically.
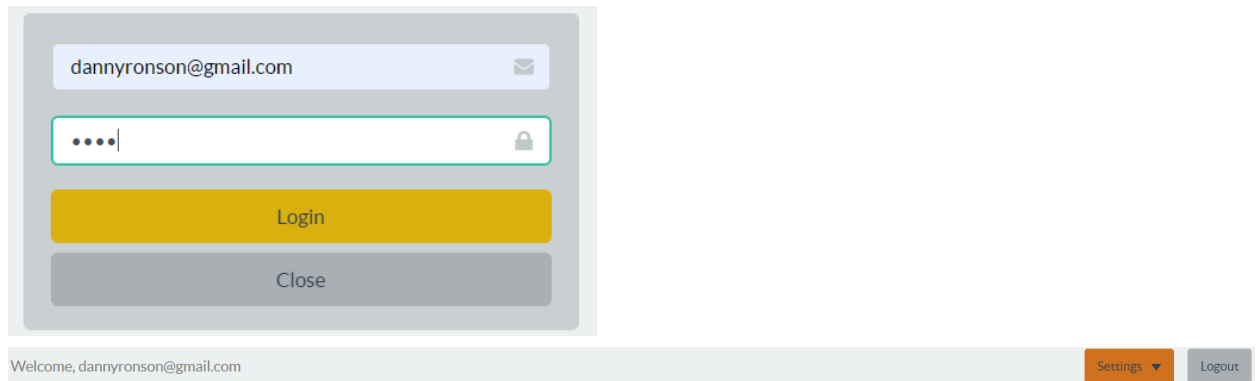
    Location of code: AuthController.cs , LoginContext.cs , UserController.cs
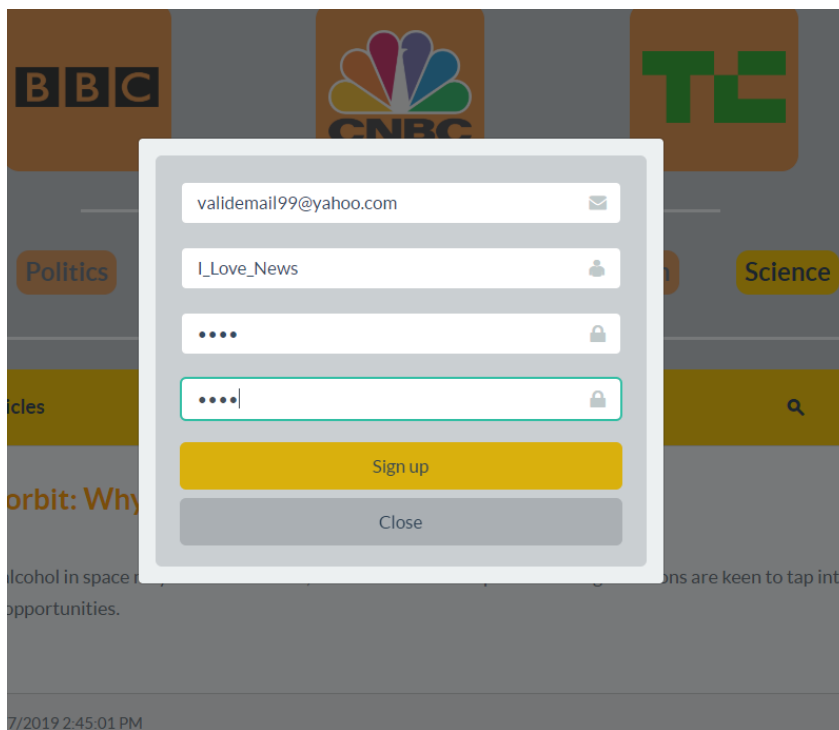


| | userid | username | password | email |
|---|---|---|---|---|
| ▶ | 5 | dron | 1a1dc91c907325c69271ddf0c944bc72 | dannyronson@gmail.com |
| | 6 | test@gmail.com | 5be63575c023143affe642eed72c3f64 | test@gmail.com |
| | 7 | I_Love_News | 144c9defac04969c7bfad8efaa8ea194 | validemail99@yahoo.com |
| * | NULL | NULL | NULL | NULL |

6. A user can login to an existing account. Logging in will create a cookie with a session id. Now the user can return to the website and be logged in automatically.

   Location of code: AuthController.cs, LoginContext.cs, CookiesContext.cs, CookiesController.cs



7. When a user is signed in, they will be able to favorite any news article by clicking the heart icon. Favorites will persist in the database.

   Location of code: UserController.cs , wwwroot/js/favorite.js
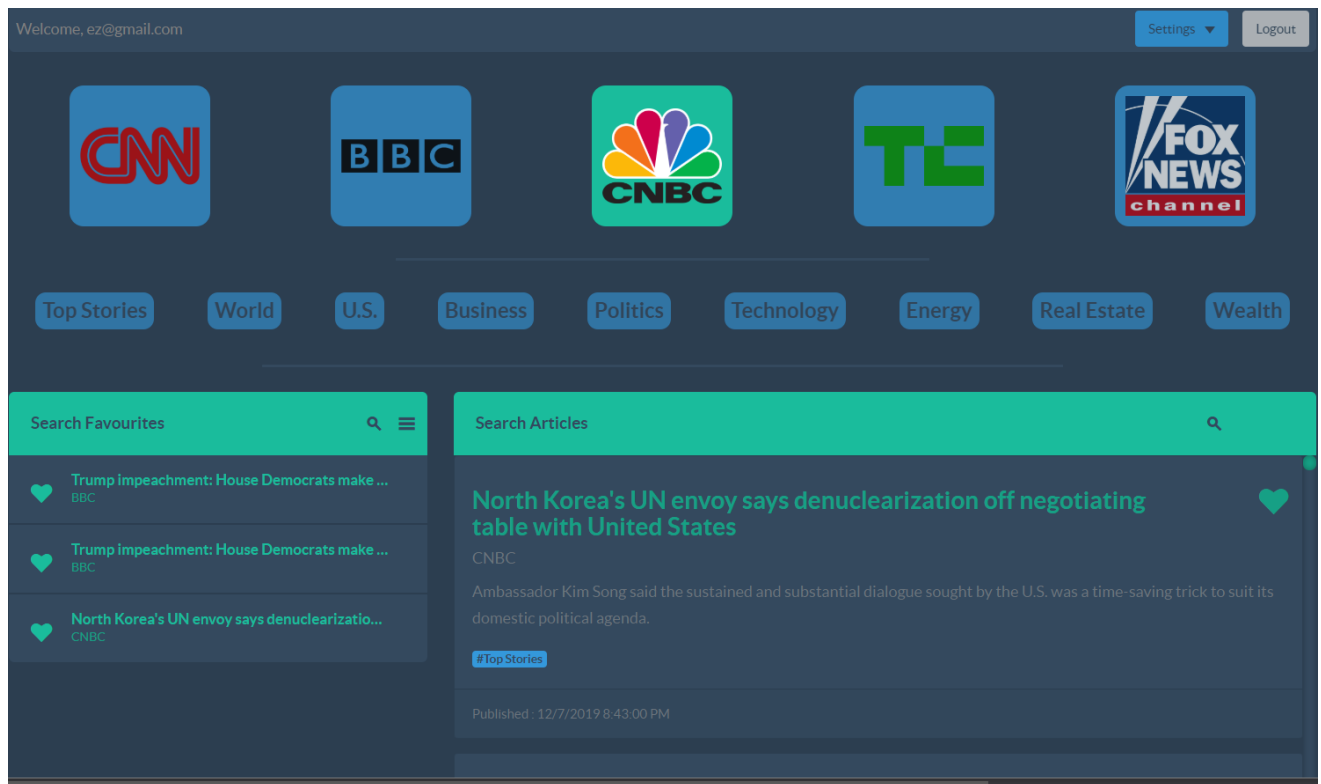
The corresponding 'Favorites' after adding clicking the hearts

| userid | articleid |
|--------|-----------|
| 8 | 5602 |
| 8 | 5646 |
| 8 | 5916 |
| NULL | NULL |

8. A user can reset their password by requesting an email reset link.
   Location of code: PasswordResetController.cs ,