

newsR

A Responsive Newsreader Web App

Group 1

Perner Elke, Pollak Michael, Reichmann Oliver, Sackl Martin

Information Architecture and Web Usability

27.01.2021

Copyright 2020 by the authors, except as otherwise noted.

This work is placed under a

Creative Commons Attribution 4.0 International (CC BY 4.0) licence



Newsreaders

- Usenet
 - Worldwide discussion network.
 - Popular in the 1980s.
- Newsgroups
 - Hosted on news servers.
- Network News Transfer Protocol (NNTP)

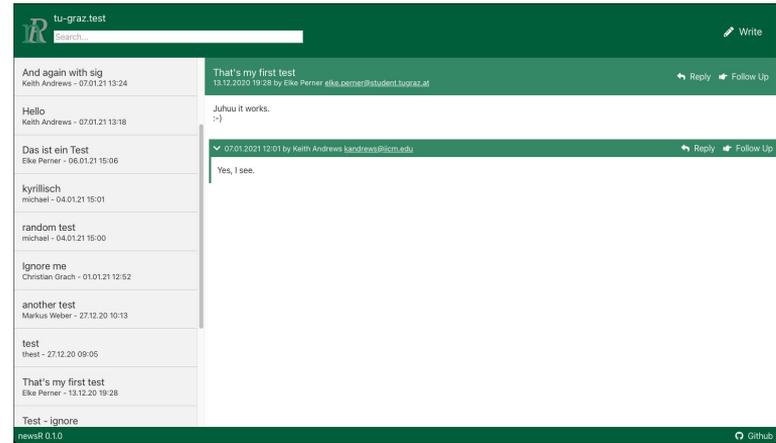
Newsreaders

- Functionality (most common use):
 - Originally: Messaging
 - Today: Downloading binaries
- Examples of newsreaders:
 - Mozilla Thunderbird
 - Forté Agent
 - NewsBin
 - Momentum



newsR Version 0.1

- Progressive Web App (PWA)
 - Basically a web App.
 - Native use.
- Created with React.
- Functionality:
 - Subscribe to newsgroups.
 - Read, write, and reply to articles.



<https://elektropepi.github.io/newsR>

Project Tasks

- Improve Web App, created by students last year.
- Change layout.
- Add new features.
- Improvements.



New Layout for Wide Screens

- Highlight messages
- Table view
- Attachment indication

The screenshot displays a wide-screen email client interface. At the top, there is a green header bar with the logo 'tu-graz.anzeigen.arbeitsmarkt' and a search bar labeled 'Search Message Headers...'. A 'Write' button is visible in the top right corner. Below the header, a table lists several messages. The selected message is highlighted in green. The table columns are 'Subject', 'Author', 'Date', and 'Size'. The selected message is from 'aiti GmbH' with the subject 'Senior Softwareentwickler (m/w/x) Vollzeit'.

	Subject	Author	Date	Size
tu-graz.algorithmen Gruppe für die VO 508.061, 508.080, 508.031, 508.071	Senior Softwareentwickler (m/w/x) Vollzeit	aiti GmbH <office@aiti.at>	2021-01-18 10:42	2.17 KB
tu-graz.anzeigen.arbeitsmarkt Biete / Suche Job	S: Software Architect / Senior Software Developer	Stephan Spat <stephan.spat@redpilot.com>	2021-01-15 11:58	3.03 KB
	BMWSteyr:GlobalLeaderDevelopmentProgramme	"AlexandraMörth" <alexandra.moerth@tugraz.at>	2021-01-15 09:04	1.71 KB
	Projektmitarbeiter*in für das Forschungsprojekt Vitality District im Bereich Gebäude und Energie an der TU Graz, Teilzeit	"Wagner, Lisa" <recruiting@tugraz.at>	2021-01-14 14:39	4.11 KB

The selected message details are shown below the table:

Senior Softwareentwickler (m/w/x) Vollzeit
2021-01-18 10:42 by aiti GmbH office@aiti.at

Reactions: Reply, Follow Up

Ihre neue Chance

- Wir setzen auf neueste Technologien | Java EE, Microservices, Ansible, Docker, JPA
- Wir haben die perfekte Unternehmensgröße (ca. 20 MitarbeiterInnen)
- Wir entwickeln uns stetig weiter | Community of Practice Day, Konferenzen, Workshops

Ihre zukünftige Rolle

- Software Entwicklung nach dem Stand der Technik (Unit-, Integration-,

newsR 2.0.0 Github

New Features

- Settings Page
 - Author name/email
 - Server settings
 - Signature
- Quotes
 - Reply
 - Follow up

The screenshot shows a 'Settings' page with a dark green header containing a logo and the word 'Settings'. Below the header, there are two main sections: 'SERVER DETAILS' and 'USER DETAILS'. The 'SERVER DETAILS' section contains three input fields: 'Server URL', 'Server Port', and 'Group Prefix'. The 'USER DETAILS' section contains three input fields: 'Full Name', 'E-Mail Address', and 'Signature'. At the bottom of the page, there are two buttons: 'Save' (on a dark green background) and 'Cancel' (on a white background).

Settings

SERVER DETAILS

Server URL:

Server Port:

Group Prefix:

USER DETAILS

Full Name:

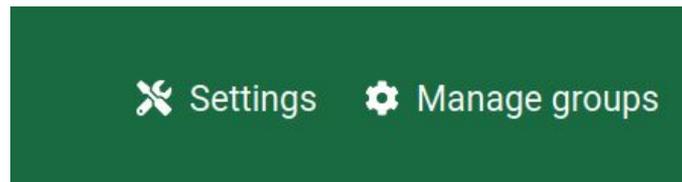
E-Mail Address:

Signature:

Save Cancel

Fixes

- Change page logic
- Charset
- Sort columns
- Go back after send
- Styling updates



Subject	Author	Date	Size	
Testing	Christian Grach <"christian.grach@alumni.tugraz.at">	2020-12-12 15:59	94.39 KB	 
Does that work?	Florian Dietrich <fdietrich@gmx.at>	2020-11-27 20:19	808 B	
Test	Oliver Reichmann	2020-12-09	630 B	



Live Demo

<https://olliwho.github.io/newsR>

Video:

<https://youtu.be/pia8mcRkYkA>

Future Development

- Crossposting
- Login for users (Servers that need authentication)
- Multiple servers
- Column chooser
- Settings
 - Checkbox for displaying attachments
 - Time format selector
- Instant reply (like messenger apps)

Future Development

- Started work on threading (branch threads)

Threads ^	Subject ⇅	Author ⇅
	cite me	Oliver Reichmann <oliver.reichmann@student.tugraz.at>
↳	Re: cite me	Oliver Reichmann <oliver.reichmann@student.tugraz.at>
↳	Re: cite me	Oliver Reichmann <oliver.reichmann@student.tugraz.at>
↳	Re: cite me	Keith Andrews <kandrews@iicm.edu>
↳	Re: cite me	Keith Andrews <kandrews@iicm.edu>
↳	Re: cite me	Oliver Reichmann <oliver.reichmann@student.tugraz.at>
↳	Re: cite me	Oliver Reichmann <oliver.reichmann@student.tugraz.at>
↳	Re: cite me	Oliver Reichmann <oliver.reichmann@student.tugraz.at>
↳	Re: cite me	Keith Andrews <kandrews@iicm.edu>
	Me again	Keith Andrews <kandrews@iicm.edu>

Questions?



Live demo

<https://olliwho.github.io/newsR>

GitHub

<https://github.com/olliwho/newsR>