

Tomely Database Details



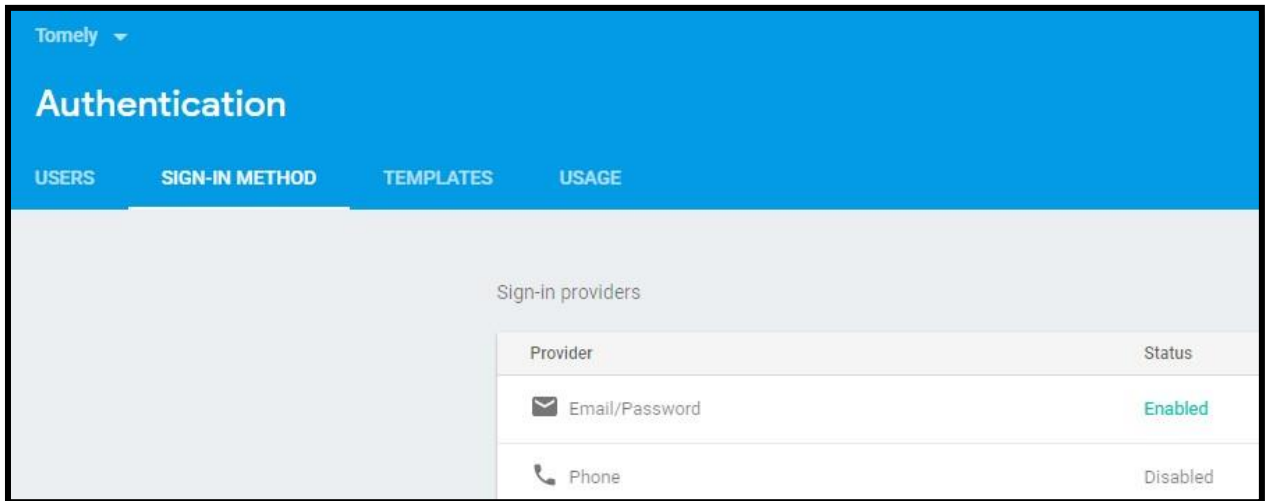
Vennela Gudlavenkatasiva

FBLA 2017 -2018 Mobile Application Development (NLC Submission)

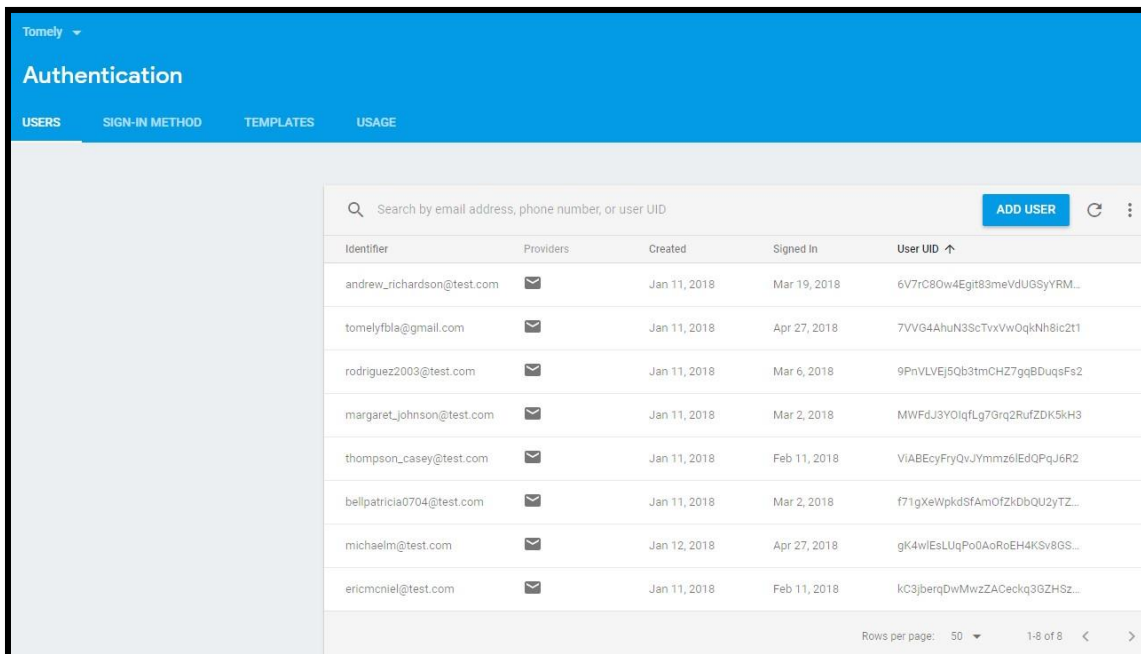
Tomely Database Details

Tomely is using Google's firebase database for storing its application data. We have chosen this database because it is a **Realtime** database and is very well supported with React-Native.

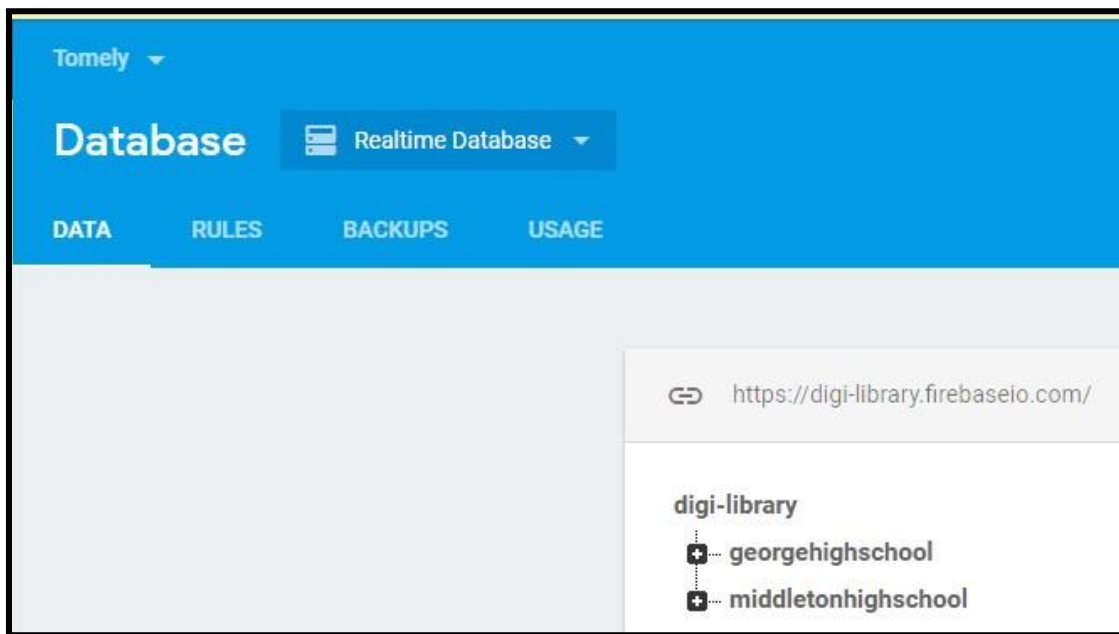
For user authentication, Tomely uses the Google Firebase's Email/Password sign-in method.



Below are the pre-existing users created for the Tomely app:



The database is stored with high-school at the top level. The default school for the app is **middletonehighschool**. This structure allows Tomely to support and integrate to other high schools easily. Below is a screenshot of the Tomely database structure:



Within each high school, Tomely has 5 tables.

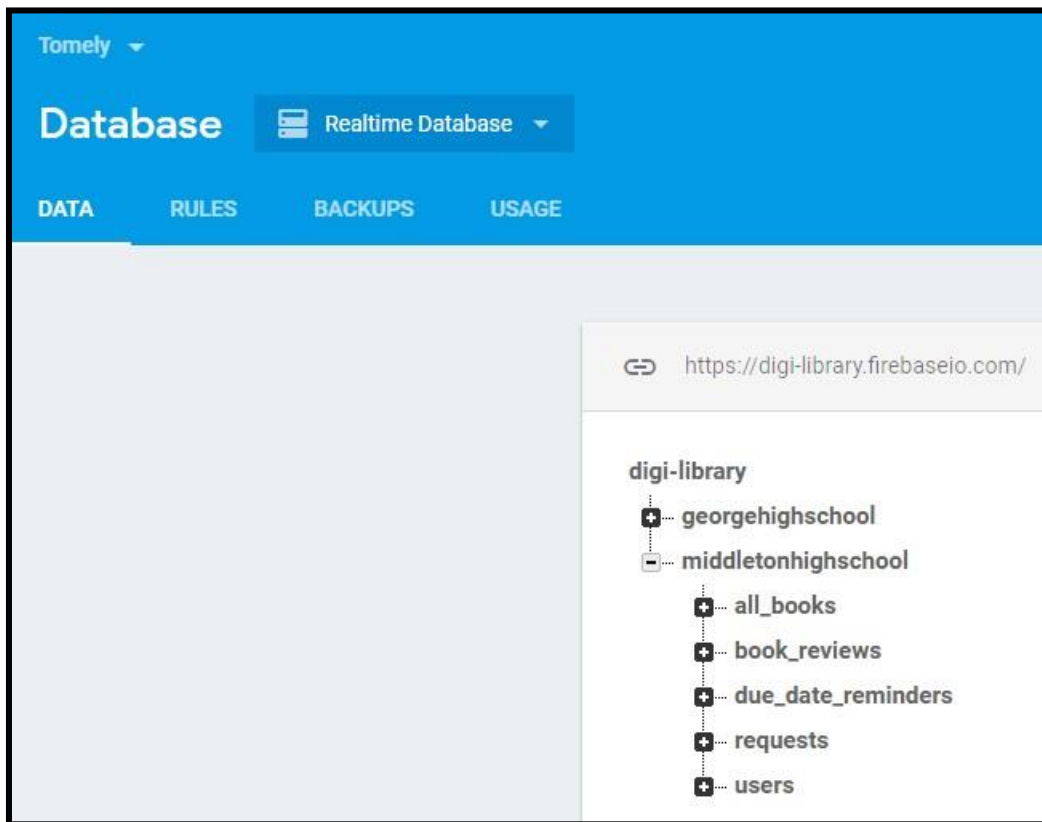


Table Name	Description
all_books	Table to store the library books

book_reviews	Stores the user review data
requests	Stores all the data submitted by users when contacting the Tomely admin team using the “Contact Us” feature
users	Stores all the profile data and books activity per user
due_date_reminders	Stores date and time when email reminder for books due by Students/Teachers was last sent.

When a user registers with Tomely, the user profile data is stored under users.profile table as shown below:



When a user checks out or reserves a book, the data is populated for the logged in user under users.books as shown below:



When a book is added to the Tomely database, it is stored in the all_books table as shown below

*Note: The preview_url field is populated by extracting the URL from the <Embed> tag shown

amazon.com macbeth

Kindle Monthly Deals, UP TO 80% OFF TOP READS IN MAY

Macbeth (Folger Shakespeare Library) Kindle Edition

by William Shakespeare * (Author), Dr. Barbara A. Mowat (Editor), Paul Werstine (Editor)

★★★★★ 4,809 customer reviews

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Kindle \$4.99	Hardcover \$15.99	Paperback \$5.96	Audiobook \$0.00	Mass Market Paperback \$5.01	MP3 CD \$9.99
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Read with Our Free App: 11 used from \$11.72, 16 New from \$15.99

2 New from \$3.96

Free with your Audible trial

536 Used from \$0.10, 91 New from \$0.09, 6 Collectible from \$21.95

7 Used from \$9.16, 18 New from \$7.10

In 1603, James VI of Scotland ascended the English throne, becoming James I of England. London was alive with an interest in all things Scottish, and Shakespeare turned to Scottish history for material. He found a spectacle of violence and stories of traitors advised by witches and wizards, echoing James's belief in a connection between treason and witchcraft.

Read more

Length: 78 pages
Age Level: 12 - 17
Similar books to Macbeth (Folger Shakespeare Library)
Due to its large file size, this book may take longer to download

Enhanced Typing: Enabled
Grade Level: 7 - 12

Page Flip: Embed

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Deliver to your Kindle or other device

Give as a Gift

Add to List

Enter a promotion code or Gift Card

Share: Email, Facebook, Twitter, Print, <Embed>

middletonhighschool
all_books
-DALR_ZljEcajAwKtpxq
-HMIAGEcS-IUTpE-4ffX
age_range: "14+"
author: "Herman Melville"
condition: "NEW"
created: "04/17/2018"
created_by: "ADMIN"
edition: "HARDCOVER"
genre: "ADVENTURE FICTION"
image_url: "https://images-na.ssl-images-amazon.com/images/
isbn: 978159308018"
isle: "B2"
new_arrival: false
preview_url: "https://read.amazon.ca/kp/embed?asin=B01NBLGUY6"
status: "AVAILABLE"
summary: "First published as Moby-Dick; or, The Whale in
title: "Moby Dick"
updated: "04/17/2018"
updated_by: "ADMIN"

When a review for the book is added to the Tomely database, it is stored in the book_reviews table as shown below:

book_reviews
-L4c-NE20oTsT03jKsx8
-L4c-NY20oTsT99jKsx8
-L4c-NY20oTsT03jKsx8
book_id: "-L0IAbfWv4F8_S21_OL"
last_activity_date: "02/09/2018"
review_comments: "Do I even have to say how great of a book this
user_id: "6V7rC80w4Egit83meVdUGSyYRM"
user_name: "Andrew Richardson"
user_rating: 5
-L4c-NY20oTsT03jKza8
book_id: "-L0I9l5JzgpLW1h4cs9j"
last_activity_date: "02/08/2018"
review_comments: "I was assigned to read this book in my English
user_id: "f71gXeWpkdSfAmOfZkDbQU2yTZ6"
user_name: "Patricia Bell"
user_rating: 4

When a user submits a request via the “Contact Us” feature of Tomely, it is stored in the requests table as shown below:

requests + x	
-L2YF1-3VB3Dgyb6TbN-	
created:	"01/11/2018"
email:	"michealm@test.cor"
message:	"I need to extend the due date of my recently cl"
name:	"Micheal McNiel"
status:	"COMPLETED"
updated:	"02/11/2018"
-L2chg0wNaMU0VMKEI2I	
created:	"01/11/2018"
email:	"margaret_johnson@test.cc"
message:	"Next month, my English class will start learnir"
name:	"Margaret Johnsor"
status:	"COMPLETED"
updated:	"02/11/2018"
+ -L56yK3EI22c09LUaQG4	