

# Phase 3 Project: Displaying User Feedback Project

## GitHub Link :

<https://github.com/Karthiga-web/displayingQuoteFeedback.git>

## Algorithm:

1. A spring boot application is created with Controller, CrudRepository, Entity class, application properties file, HTML
2. The Crud Repository class is used to call methods from Repository for searching and updating or creating new data in the database.
3. The Entity class links the Database table with the form the feedback is given to the controller
4. The controller class redirects the data to save/update/find from DB table
5. The controller starts with leading to the [quotes.stormconsultancy.co.uk/random.json](https://quotes.stormconsultancy.co.uk/random.json) and saving the rest template data to the DB
6. It has methods that check if data is present in DB and saves the data or updates the data to DB
7. The GetMapping and PostMapping annotations get and post the data from/to the output page
8. The output starts with the page [Give Feedback](#) where the user is prompted to give Id, author, permalink and quote as inputs and click on update button
9. It leads to second output page that shows respective output based on the input
- 10.Scenario 1: Correct ID leads to updation of data and data is displayed in output page
- 11.Scenario 2: Incorrect ID leads to saving of new data in DB and it is displayed in output page
- 12.Scenario 3: String ID leads to displaying of incorrect input given page
13. The link with [localhost:8081/feedback/show/3](http://localhost:8081/feedback/show/3) or any id in place of 3 shows the status of data with respective ID
- 14.Scenario 1: Correct ID leads to data display
- 15.Scenario 2: Incorrect ID leads to error message display
- 16.Scenario 3: String ID leads to error message display
17. Logger is used to log into the console for future usage

Outputs:

Self learningKarthiga-web/displayingQuoteFeedbackGive Feedback

localhost:8081

Not syncing

Id

Author

Permalink

Quote

UPDATE

Self learningKarthiga-web/displayingQuoteFeedbackGive Feedback

localhost:8081

Not syncing

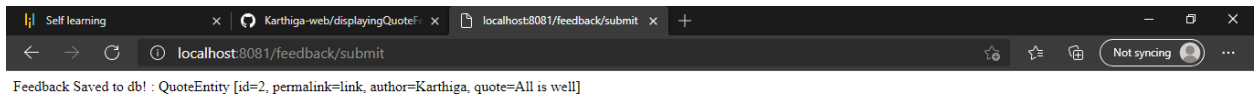
Id2

AuthorKarthiga

Permalinklink

QuoteAll is well

UPDATE



Id	3465
Author	Karthiga
Permalink	link
Quote	All is well
UPDATE	

Quote Feedback Id is not found but new feedback is saved! : QuoteEntity [id=32, permalink=link, author=Karthiga, quote=All is well]

Id

wrgtfrvd

Author

Karthiga

Permalink

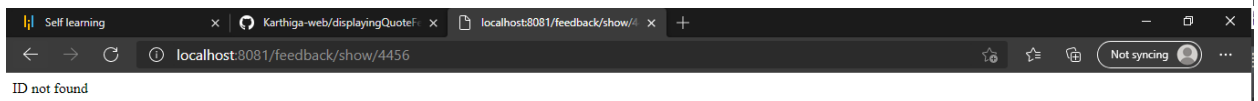
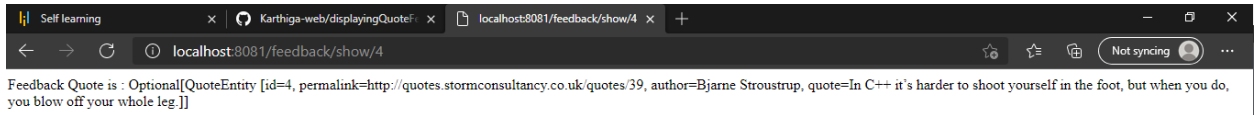
link

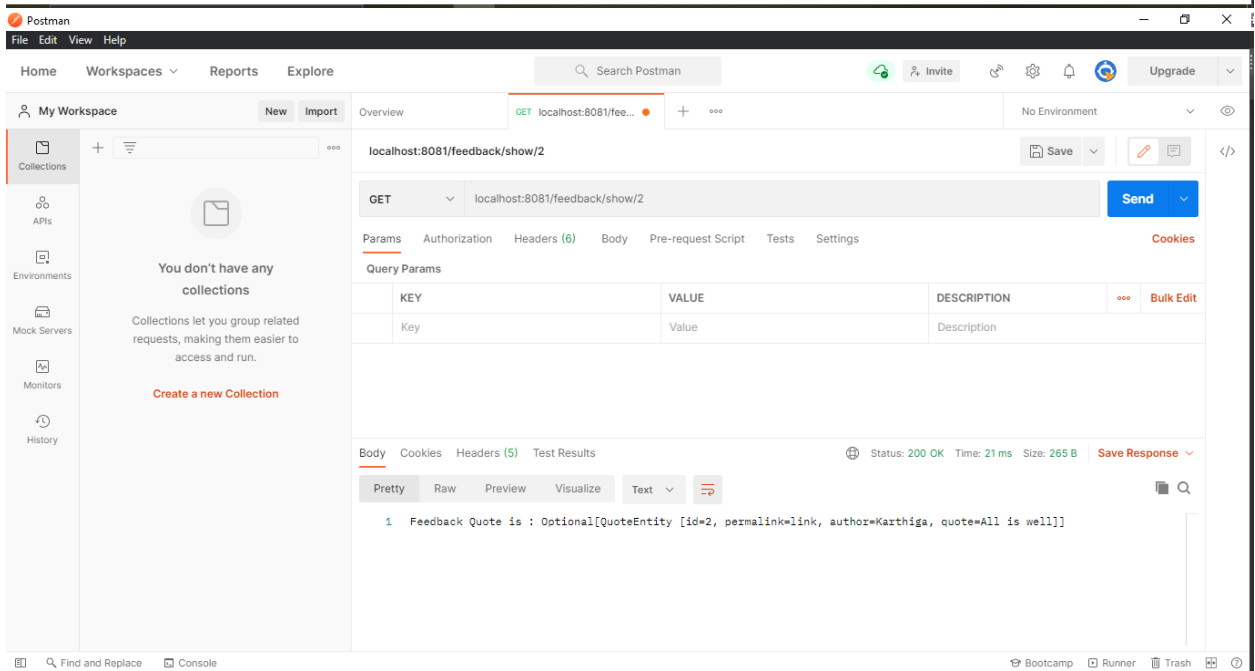
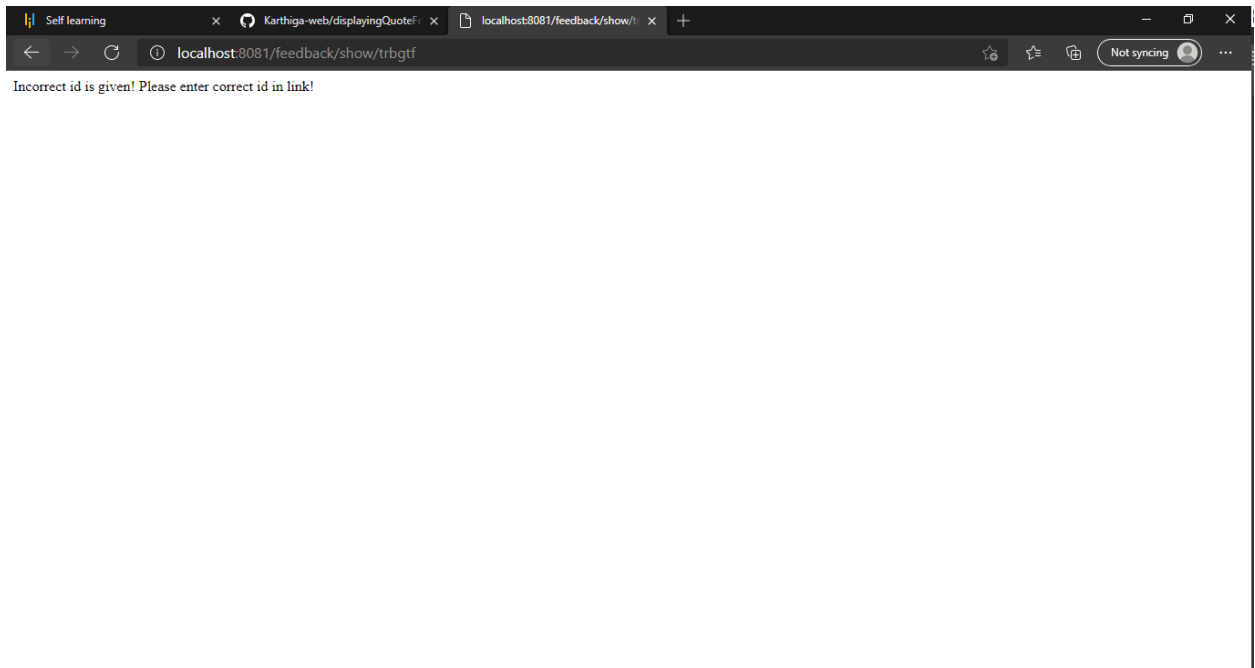
Quote

All is well

UPDATE

Incorrect id is given! Go back to previous page!







Postman

File Edit View Help

Home Workspaces Reports Explore

Search Postman

Invite

Upgrade

My Workspace

New Import

Overview

GET localhost:8081/fee...

No Environment

Collections

+

APIs

Environments

Mock Servers

Monitors

History

You don't have any collections

Collections let you group related requests, making them easier to access and run.

Create a new Collection

localhost:8081/feedback/show/rgfvbd

Save

</>

GET

localhost:8081/feedback/show/rgfvbd

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

Status: 200 OK Time: 5 ms Size: 219 B Save Response

Pretty

Raw

Preview

Visualize

Text

1 Incorrect id is given! Please enter correct id in link!

Find and Replace

Console

Bootcamp

Runner

Trash

Postman

File Edit View Help

Home Workspaces Reports Explore

Search Postman

Invite

Upgrade

My Workspace

New Import

Overview

GET localhost:8081/fee...

No Environment

Collections

+

APIs

Environments

Mock Servers

Monitors

History

You don't have any collections

Collections let you group related requests, making them easier to access and run.

Create a new Collection

localhost:8081/feedback/show/34533

Save

</>

GET

localhost:8081/feedback/show/34533

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

Status: 200 OK Time: 8 ms Size: 176 B Save Response

Pretty

Raw

Preview

Visualize

Text

1 ID not found

Find and Replace

Console

Bootcamp

Runner

Trash

```
2021-02-06 21:35:25.338 DEBUG 29324 --- [nio-8081-exec-8] o.s.web.servlet.DispatcherServlet : "ERROR" dispatch for POST "/error", parameters={masked}
2021-02-06 21:35:25.339 DEBUG 29324 --- [nio-8081-exec-8] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to org.springframework.boot.autoconfigure.web.servlet.error.BasicExceptionHandler
2021-02-06 21:35:25.356 DEBUG 29324 --- [nio-8081-exec-8] o.s.w.s.v.ContentNegotiatingViewResolver : Selected 'text/html' given [text/html, text/html;q=0.8]
2021-02-06 21:35:25.360 DEBUG 29324 --- [nio-8081-exec-8] o.s.web.servlet.DispatcherServlet : Exiting from "ERROR" dispatch, status 500
2021-02-06 21:35:45.819 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.servlet.DispatcherServlet : POST "/feedback/submit", parameters={masked}
2021-02-06 21:35:45.820 INFO 29324 --- [nio-8081-exec-9] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#save(String, String, String,
2021-02-06 21:35:45.820 INFO 29324 --- [nio-8081-exec-9] c.f.c.UserQuoteFeedbackController : Saving data from the quotes link
2021-02-06 21:35:45.820 INFO 29324 --- [nio-8081-exec-9] c.f.c.UserQuoteFeedbackController : Using quote link as input
2021-02-06 21:35:45.823 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.client.RestTemplate : HTTP GET http://quotes.stormconsultancy.co.uk/random.json
2021-02-06 21:35:45.824 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.client.RestTemplate : Accept=[application/json, application/*+json]
2021-02-06 21:35:46.033 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.client.RestTemplate : Response 200 OK
2021-02-06 21:35:46.034 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.client.RestTemplate : Reading to [com.feedback.repository.entity.QuoteEntity]
2021-02-06 21:35:46.059 INFO 29324 --- [nio-8081-exec-9] c.f.c.UserQuoteFeedbackController : Data from the quotes link is saved
3465
2021-02-06 21:35:46.060 INFO 29324 --- [nio-8081-exec-9] c.f.c.UserQuoteFeedbackController : Finding data if exists
2021-02-06 21:35:46.068 INFO 29324 --- [nio-8081-exec-9] c.f.c.UserQuoteFeedbackController : Returning incorrect id entered in input but data is saved
2021-02-06 21:35:46.086 DEBUG 29324 --- [nio-8081-exec-9] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:35:46.087 DEBUG 29324 --- [nio-8081-exec-9] m.m.a.RequestMappingHandlerMapping : Writing ["Quote Feedback id is not found but new feedback is saved! : QuoteEntity [id=32, i
2021-02-06 21:35:46.087 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.servlet.DispatcherServlet : Completed 200 OK

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2021-02-06 21:37:40.435 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.servlet.DispatcherServlet : POST "/feedback/submit", parameters={masked}
2021-02-06 21:37:40.436 INFO 29324 --- [nio-8081-exec-3] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#save(String, String, String,
2021-02-06 21:37:40.436 INFO 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Saving data from the quotes link
2021-02-06 21:37:40.438 DEBUG 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Using quote link as input
2021-02-06 21:37:40.439 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.client.RestTemplate : HTTP GET http://quotes.stormconsultancy.co.uk/random.json
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.client.RestTemplate : Accept=[application/json, application/*+json]
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.client.RestTemplate : Response 200 OK
2021-02-06 21:37:40.754 INFO 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Reading to [com.feedback.repository.entity.QuoteEntity]
2021-02-06 21:37:40.755 INFO 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Data from the quotes link is saved
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2021-02-06 21:37:40.756 DEBUG 29324 --- [nio-8081-exec-3] m.m.a.RequestMappingHandlerMapping : Writing ["Incorrect id is given! Go back to previous page!"]
2021-02-06 21:37:40.756 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.servlet.DispatcherServlet : Completed 200 OK
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Console x Problems Debug Shell Progress Search Git Repositories Git Staging
DisplayingUserFeedbackApplication (1) [Java Application] C:\Users\gkan.p\pools\plugins\org.eclipse.jdt.ui\openjdk.hotspot.jre.full.win32.x86_64.15.0.1.v20210227-0507\jre\bin\java.exe (Feb 6, 2021, 9:30:10 PM)

2021-02-06 21:35:45.819 DEBUG 29324 --- [nio-8081-exec-9] o.s.web.servlet.DispatcherServlet : POST "/feedback/submit", parameters={masked}
2021-02-06 21:35:45.819 DEBUG 29324 --- [nio-8081-exec-9] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#save(String, String, String,
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2021-02-06 21:37:40.435 DEBUG 29324 --- [nio-8081-exec-3] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#save(String, String, String,
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2021-02-06 21:37:40.436 INFO 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Using quote link as input
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2021-02-06 21:37:40.439 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.client.RestTemplate : Accept=[application/json, application/*+json]
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.client.RestTemplate : Response 200 OK
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.client.RestTemplate : Reading to [com.feedback.repository.entity.QuoteEntity]
2021-02-06 21:37:40.754 INFO 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Data from the quotes link is saved
2021-02-06 21:37:40.755 INFO 29324 --- [nio-8081-exec-3] c.f.c.UserQuoteFeedbackController : Returning incorrect id entered in input
2021-02-06 21:37:40.755 DEBUG 29324 --- [nio-8081-exec-3] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:37:40.755 DEBUG 29324 --- [nio-8081-exec-3] m.m.a.RequestMappingHandlerMapping : Writing ["Incorrect id is given! Go back to previous page!"]
2021-02-06 21:37:40.756 DEBUG 29324 --- [nio-8081-exec-3] o.s.web.servlet.DispatcherServlet : Completed 200 OK
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] o.s.web.servlet.DispatcherServlet : GET "/feedback/show/4", parameters={}
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#show(String)
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] c.f.c.UserQuoteFeedbackController : Converting id string to integer
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] c.f.c.UserQuoteFeedbackController : Finding if data exists
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] c.f.c.UserQuoteFeedbackController : Saving to db if present
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] m.m.a.RequestMappingHandlerMapping : Writing ["Feedback Quote is : OptionalQuoteEntity [id=4, permalink=http://quotes.stormcon:
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-2] o.s.web.servlet.DispatcherServlet : Completed 200 OK
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] o.s.web.servlet.DispatcherServlet : GET "/feedback/show/4456", parameters={}
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#show(String)
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Converting id string to integer
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Finding if data exists
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Returning incorrect id entered in link
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] m.m.a.RequestMappingHandlerMapping : Writing ["ID not found"]
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-5] o.s.web.servlet.DispatcherServlet : Completed 200 OK
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] o.s.web.servlet.DispatcherServlet : GET "/feedback/show/trbgtf", parameters={}
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#show(String)
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] c.f.c.UserQuoteFeedbackController : Converting id string to integer
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] c.f.c.UserQuoteFeedbackController : Returning not found if data not present to show
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] m.m.a.RequestMappingHandlerMapping : Writing ["Incorrect id is given! Please enter correct id in link!"]
2021-02-06 21:37:40.746 DEBUG 29324 --- [nio-8081-exec-6] o.s.web.servlet.DispatcherServlet : Completed 200 OK

Console x Problems Debug Shell Progress Search Git Repositories Git Staging
DisplayingUserFeedbackApplication (1) [Java Application] C:\Users\gkan.p\pools\plugins\org.eclipse.jdt.ui\openjdk.hotspot.jre.full.win32.x86_64.15.0.1.v20210227-0507\jre\bin\java.exe (Feb 6, 2021, 9:30:10 PM)

2021-02-06 21:30:16.486 DEBUG 29324 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping : Patterns [webjars/**, /**] in 'resourceHandlerMapping'
2021-02-06 21:30:16.498 DEBUG 29324 --- [ restartedMain] m.m.a.ExceptionHandlerExceptionResolver : ControllerAdvice beans: 0 @ExceptionHandler, 1 ResponseBodyAdvice
2021-02-06 21:30:16.725 INFO 29324 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8081 (http) with context path ''
2021-02-06 21:30:16.732 INFO 29324 --- [ restartedMain] c.f.DisplayingUserFeedbackApplication : Started DisplayingUserFeedbackApplication in 4.381 seconds (JVM running for 4.876)
2021-02-06 21:30:23.437 INFO 29324 --- [nio-8081-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2021-02-06 21:30:23.437 INFO 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2021-02-06 21:30:23.437 INFO 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Detected StandardServletMultipartResolver
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Detected AcceptHeaderLocaleResolver
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Detected FixedThemeResolver
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.view.DefaultRequestToViewNameTranslator@6baf1180
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Detected org.springframework.web.servlet.support.SessionFlashMapManager@3216a601
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : enableLoggingRequestDetails='false': request parameters and headers will be masked to prev
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet in 2 ms
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : GET "/", parameters={}
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2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : View name 'forward:', model {}
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : Forwarding to [index.html]
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : "FORWARD" dispatch for GET "/"index.html", parameters={}
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : Mapped to ResourceHttpRequestHandler [class path resource [META-INF/resources/], class pat
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : Exiting from "FORWARD" dispatch, status 304
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : Completed 304 NOT_MODIFIED
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.w.s.v.ContentNegotiatingViewResolver : POST "/feedback/submit", parameters={masked}
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#save(String, String, String,
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] c.f.c.UserQuoteFeedbackController : Saving data from the quotes link
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] c.f.c.UserQuoteFeedbackController : Using quote link as input
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.client.RestTemplate : HTTP GET http://quotes.stormconsultancy.co.uk/random.json
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.client.RestTemplate : Accept=[application/json, application/*+json]
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.client.RestTemplate : Response 200 OK
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] o.s.web.client.RestTemplate : Reading to [com.feedback.repository.entity.QuoteEntity]
2021-02-06 21:30:23.438 DEBUG 29324 --- [nio-8081-exec-1] c.f.c.UserQuoteFeedbackController : Data from the quotes link is saved
2
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-4] c.f.c.UserQuoteFeedbackController : Finding data if exists
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-4] c.f.c.UserQuoteFeedbackController : Returning data is saved
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-4] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-4] m.m.a.RequestMappingHandlerMapping : Writing ["Feedback Saved to db! : QuoteEntity [id=2, permalink=link, author=Karthiga, quot
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-4] o.s.web.servlet.DispatcherServlet : Completed 200 OK
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] o.s.web.servlet.DispatcherServlet : POST "/feedback/submit", parameters={masked}
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.feedback.controller.UserQuoteFeedbackController#save(String, String, String,
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Saving data from the quotes link
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Using quote link as input
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] o.s.web.client.RestTemplate : HTTP GET http://quotes.stormconsultancy.co.uk/random.json
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] o.s.web.client.RestTemplate : Accept=[application/json, application/*+json]
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] o.s.web.client.RestTemplate : Response 200 OK
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] o.s.web.client.RestTemplate : Reading to [com.feedback.repository.entity.QuoteEntity]
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Data from the quotes link is saved
2
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Finding data if exists
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] c.f.c.UserQuoteFeedbackController : Returning data is saved
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] m.m.a.RequestMappingHandlerMapping : Using 'text/html', given [text/html, application/xhtml+xml, image/webp, image/apng, applic
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] m.m.a.RequestMappingHandlerMapping : Writing ["Feedback Saved to db! : QuoteEntity [id=2, permalink=link, author=Karthiga, quot
2021-02-06 21:30:23.438 INFO 29324 --- [nio-8081-exec-5] o.s.web.servlet.DispatcherServlet : Completed 200 OK
```

Code:

```

34     logger.info("Returning incorrect id entered in input");
35     return "Incorrect id is given! Go back to previous page!";
36 }
37 QuoteEntity feedbackQuote = new QuoteEntity();
38 logger.info("Finding data if exists");
39 Optional<QuoteEntity> feedback = repo.findById(i);
40 if (feedback.isPresent()) {
41     feedbackQuote.setId(i);
42     feedbackQuote.setAuthor(author);
43     feedbackQuote.setPermalink(permalink);
44     feedbackQuote.setQuote(quote);
45     logger.info("Returning data is saved");
46     return "Feedback Saved to db! : " + repo.save(feedbackQuote);
47 } else {
48     feedbackQuote.setId(i);
49     feedbackQuote.setAuthor(author);
50     feedbackQuote.setPermalink(permalink);
51     feedbackQuote.setQuote(quote);
52     logger.info("Returning incorrect id entered in input but data is saved");
53     return "Quote Feedback Id is not found but new feedback is saved! : " + repo.save(feedbackQuote);
54 }
55 }
56
57 public void initialFeedback() {
58     logger.info("Using quote link as input");
59     RestTemplate restTemplate = new RestTemplate();
60     QuoteEntity feedback = restTemplate.getForObject("http://quotes.stormconsultancy.co.uk/random.json",
61         QuoteEntity.class);
62     repo.save(feedback);
63     logger.info("Data from the quotes link is saved");
64 }
65
66 @GetMapping("/show/{id}")
67 public String show(@PathVariable String id) {
68     int j = 0;
69     try {
70         logger.info("Converting id string to integer");
71         j = Integer.parseInt(id);
72         logger.info("Finding if data exists");
73         Optional<QuoteEntity> feedbackQuote = repo.findById(j);
74         if (feedbackQuote.isPresent()) {
75             logger.info("Saving to db if present");
76             return "Feedback Quote is : " + feedbackQuote;
77         } else {
78             logger.info("Returning incorrect id entered in link");
79             return "ID not found";
80         }
81     } catch (Exception e) {
82         logger.info("Returning not found if data not present to show");
83         return "Incorrect id is given! Please enter correct id in link!";
84     }
85 }
86 }
87

```

```
UserQuoteFeedbackController.java X QuoteEntity.java X
1 package com.feedback.repository.entity;
2
3 import javax.persistence.Column;
4
11
12 @Entity
13 @Table(name = "Feedback")
14 public class QuoteEntity {
15     @Id
16     @GeneratedValue(strategy = GenerationType.IDENTITY)
17     @Column(name = "id")
18     int id;
19     /**
20      * @return the id
21      */
22     public int getId() {
23         return id;
24     }
25     /**
26      * @param id the id to set
27      */
28     public void setId(int id) {
29         this.id = id;
30     }
31     @Column(name = "permalink")
32     String permalink;
33     @Column(name = "author")
34     String author;
35     @Column(name = "quote")
36     String quote;
37     /**
38      * @return the permalink
39      */
40     public String getPermalink() {
41         return permalink;
42     }
43     /**
44      * @param permalink the permalink to set
45      */
46     public void setPermalink(String permalink) {
47         this.permalink = permalink;
48     }
49     /**
50      * @return the author
51      */
52     public String getAuthor() {
53         return author;
54     }
55     /**
56      * @param author the author to set
57      */
58     public void setAuthor(String author) {
59         this.author = author;
60     }
61     /**
```

```
UserQuoteFeedbackController.java  QuoteEntity.java x
26  @param id the id to set
27  */
28  public void setId(int id) {
29      this.id = id;
30  }
31  @Column(name = "permalink")
32  String permalink;
33  @Column(name = "author")
34  String author;
35  @Column(name = "quote")
36  String quote;
37  /**
38   * @return the permalink
39   */
40  public String getPermalink() {
41      return permalink;
42  }
43  /**
44   * @param permalink the permalink to set
45   */
46  public void setPermalink(String permalink) {
47      this.permalink = permalink;
48  }
49  /**
50   * @return the author
51   */
52  public String getAuthor() {
53      return author;
54  }
55  /**
56   * @param author the author to set
57   */
58  public void setAuthor(String author) {
59      this.author = author;
60  }
61  /**
62   * @return the quote
63   */
64  public String getQuote() {
65      return quote;
66  }
67  /**
68   * @param quote the quote to set
69   */
70  public void setQuote(String quote) {
71      this.quote = quote;
72  }
73  @Override
74  public String toString() {
75      return "QuoteEntity [id=" + id + ", permalink=" + permalink + ", author=" + author + ", quote=" + quote
76          + "]\n";
77  }
78  }
79  <
```

```
UserQuoteFeedbackController.java  QuoteEntity.java  QuoteFeedbackCrudRepository.java x
1  package com.feedback.repository.entity;
2
3  import org.springframework.data.repository.CrudRepository;
4
5
6  @Repository
7  public interface QuoteFeedbackCrudRepository extends CrudRepository<QuoteEntity, Integer> {
8  }
9
```

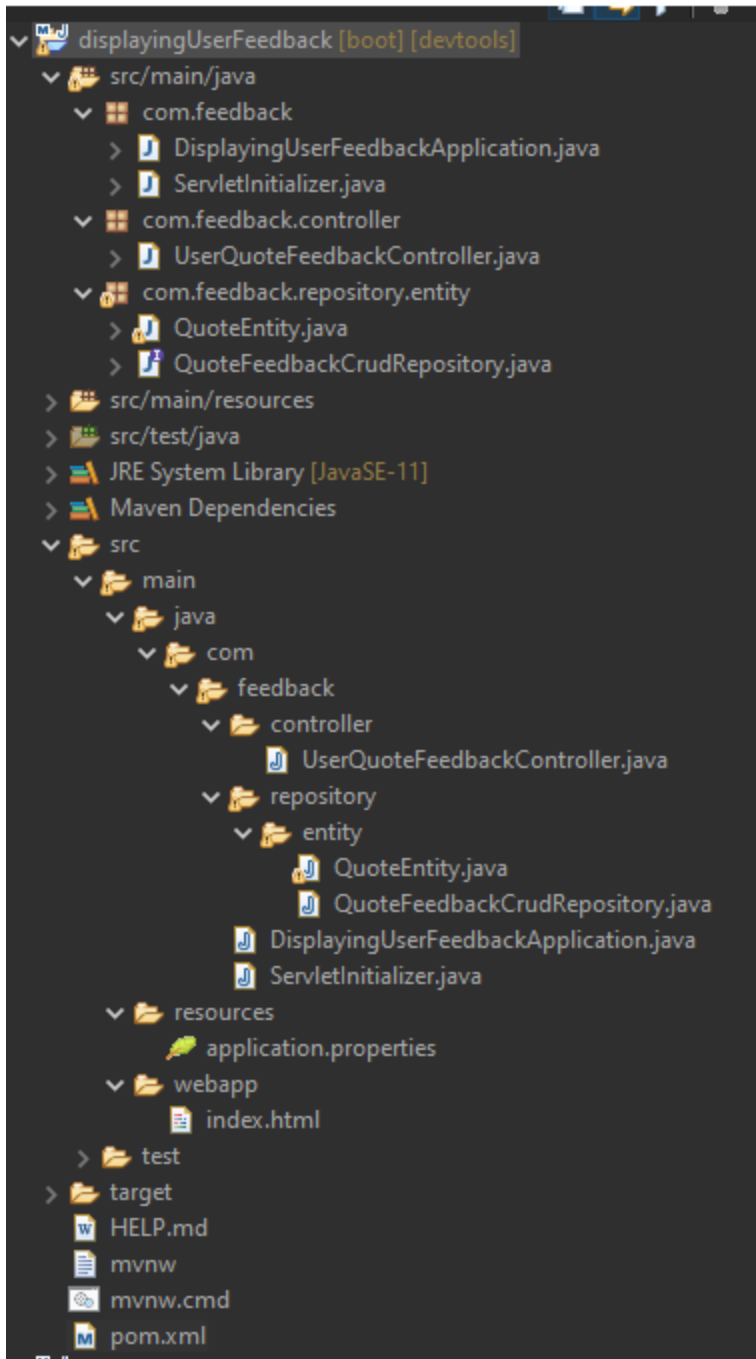
```
UserQuoteFeedbackController.java  QuoteEntity.java  QuoteFeedbackCrudRepository.java  DisplayingUserFeedbackApplication.java x
1 package com.feedback;
2
3 import org.springframework.boot.SpringApplication;
4
5 @SpringBootApplication
6 public class DisplayingUserFeedbackApplication {
7
8     public static void main(String[] args) {
9         SpringApplication.run(DisplayingUserFeedbackApplication.class, args);
10    }
11
12 }
13
14

UserQuoteFeedbackController.java  QuoteEntity.java  QuoteFeedbackCrudRepository.java  DisplayingUserFeedbackApplication.java  index.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>Give Feedback</title>
6 </head>
7 <body>
8 <div align="center">
9 <form action="feedback/submit" method="post">
10 <table>
11 <tr>
12 <td>Id</td>
13 <td><input type="text" name="id" required /></td>
14 </tr>
15 <tr>
16 <td>Author</td>
17 <td><input type="text" name="author" maxlength="255" required /></td>
18 </tr>
19 <tr>
20 <td>Permalink</td>
21 <td><input type="text" name="permalink" maxlength="255"
22     required /></td>
23 </tr>
24 <tr>
25 <td>Quote</td>
26 <td><input type="text" name="quote" maxlength="255" required /></td>
27 </tr>
28 </table>
29 <br> <input type="submit" value="UPDATE" />
30 </form>
31 </div>
32 </body>
33 </html>

UserQuoteFeedbackController.java x  QuoteEntity.java  QuoteFeedbackCrudRepository.java  DisplayingUserFeedbackApplication.java  index.html  application.properties x
1 spring.jpa.hibernate.ddl-auto=update
2 spring.datasource.url=jdbc:mysql://localhost:3306/spring
3 spring.datasource.username=root
4 spring.datasource.password=root
5 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
6 logging.level.org.springframework.web: DEBUG
7
8 server.port=8081
9
```

```
UserQuoteFeedbackController.java  QuoteEntity.java  QuoteFeedbackCrudRepository.java  DisplayingUserFeedbackApplic...  index.html  application.properties  displayingUserFeedback/pom.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
5  <modelVersion>4.0.0</modelVersion>
6  <parent>
7  <groupId>org.springframework.boot</groupId>
8  <artifactId>spring-boot-starter-parent</artifactId>
9  <version>2.4.2</version>
10 <relativePath>/<!-- lookup parent from repository -->
11 </parent>
12 <groupId>com.example</groupId>
13 <artifactId>displayingUserFeedback</artifactId>
14 <version>0.0.1-SNAPSHOT</version>
15 <name>displayingUserFeedback</name>
16 <description>Displaying User Feedback Project</description>
17 <properties>
18 <java.version>11</java.version>
19 </properties>
20 <dependencies>
21 <dependency>
22 <groupId>org.springframework.boot</groupId>
23 <artifactId>spring-boot-starter-web</artifactId>
24 </dependency>
25 <dependency>
26 <groupId>org.springframework.boot</groupId>
27 <artifactId>spring-boot-starter-data-jdbc</artifactId>
28 </dependency>
29 <dependency>
30 <groupId>org.springframework.boot</groupId>
31 <artifactId>spring-boot-starter-data-jpa</artifactId>
32 </dependency>
33 <dependency>
34 <groupId>org.springframework.boot</groupId>
35 <artifactId>spring-boot-devtools</artifactId>
36 <scope>runtime</scope>
37 <optional>true</optional>
38 </dependency>
39 <dependency>
40 <groupId>mysql</groupId>
41 <artifactId>mysql-connector-java</artifactId>
42 <scope>runtime</scope>
43 </dependency>
44 <dependency>
45 <groupId>org.projectlombok</groupId>
46 <artifactId>lombok</artifactId>
47 <optional>true</optional>
48 </dependency>
49 <dependency>
50 <groupId>mysql</groupId>
51 <artifactId>mysql-connector-java</artifactId>
52 <scope>runtime</scope>
53 </dependency>
54 </dependencies>
55 <build>
56 <plugins>
57 <plugin>
58 <groupId>org.springframework.boot</groupId>
59 <artifactId>spring-boot-maven-plugin</artifactId>
60 </plugin>
61 </plugins>
62 </build>
63 </project>
64 </dependencies>
65 <dependency>
66 <groupId>org.projectlombok</groupId>
67 <artifactId>lombok</artifactId>
68 <optional>true</optional>
69 </dependency>
70 <dependency>
71 <groupId>mysql</groupId>
72 <artifactId>mysql-connector-java</artifactId>
73 <scope>runtime</scope>
74 </dependency>
75 <dependency>
76 <groupId>org.springframework.boot</groupId>
77 <artifactId>spring-boot-starter-tomcat</artifactId>
78 <scope>provided</scope>
79 </dependency>
80 <dependency>
81 <groupId>org.apache.tomcat.embed</groupId>
82 <artifactId>tomcat-embed-jasper</artifactId>
83 <scope>provided</scope>
84 </dependency>
85 <dependency>
86 <groupId>javax.servlet</groupId>
87 <artifactId>jstl</artifactId>
88 </dependency>
89 <dependency>
90 <groupId>org.springframework.boot</groupId>
91 <artifactId>spring-boot-starter-test</artifactId>
92 <scope>test</scope>
93 </dependency>
94 </dependencies>
95 <build>
96 <plugins>
97 <plugin>
98 <groupId>org.springframework.boot</groupId>
99 <artifactId>spring-boot-maven-plugin</artifactId>
100 </plugin>
101 </plugins>
102 </build>
103 </project>
```





```

1 package com.feedback.controller;
2
3 import java.util.Optional;
16
17 @RestController
18 @RequestMapping("feedback")
19 public class UserQuoteFeedbackController {
20     Logger logger = LoggerFactory.getLogger(UserQuoteFeedbackController.class);
21
22     @Autowired
23     QuoteFeedbackCrudRepository repo;
24
25     @PostMapping("/submit")
26     public String save(String permalink, String quote, String id, String author) {
27         logger.info("Saving data from the quotes link");
28         initialFeedback();
29         int i = 0;
30         try {
31             System.out.println(Integer.parseInt(id));
32             i = Integer.parseInt(id);
33         } catch (Exception e) {
34             logger.info("Returning incorrect id entered in input");
35             return "Incorrect id is given! Go back to previous page!";
36         }
37         QuoteEntity feedbackQuote = new QuoteEntity();
38         logger.info("Finding data if exists");
39         Optional<QuoteEntity> feedback = repo.findById(i);
40         if (feedback.isPresent()) {
41             feedbackQuote.setId(i);
42             feedbackQuote.setAuthor(author);
43             feedbackQuote.setPermalink(permalink);
44             feedbackQuote.setQuote(quote);
45             logger.info("Returning data is saved");
46             return "Feedback Saved to db! : " + repo.save(feedbackQuote);
47         } else {
48             feedbackQuote.setId(i);
49             feedbackQuote.setAuthor(author);
50             feedbackQuote.setPermalink(permalink);
51             feedbackQuote.setQuote(quote);
52             logger.info("Returning incorrect id entered in input but data is saved");
53             return "Quote Feedback Id is not found but new feedback is saved! : " + repo.save(feedbackQuote);
54         }
55     }
56
57     public void initialFeedback() {
58         logger.info("Using quote link as input");
59         RestTemplate restTemplate = new RestTemplate();
60         QuoteEntity feedback = restTemplate.getForObject("http://quotes.stormconsultancy.co.uk/random.json",
61             QuoteEntity.class);
62         repo.save(feedback);
63         logger.info("Data from the quotes link is saved");
64     }
65
66 }

```

DB:

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- demo
- desserts
- drinks
- ecommerce
- employees
- karthiga
- learnjspervlet
- myweb
- sakila
- sourashtrclub
- spring
  - Tables
  - Views
  - Stored Procedures
  - Functions
- sys
- world

Administration Schemas

Information

Schema: sourashtrclub

1 • SELECT \* FROM spring.feedback;

Limit to 1000 rows

Result Grid

	id	author	permalink	quote
1	re	rgtfv	rgtfv	
2	ad	as	asc	
3	dv	fsj	fsf	
4	Bjarne Stroustrup	http://quotes.stormconsultancy.co.uk/quotes/39		In C++ it's harder to shoot yourself in the foot, but when you do, ...
5	Brian Kernighan	http://quotes.stormconsultancy.co.uk/quotes/5		Debugging is twice as hard as writing the code in the first place. Th...
6	Bill Gates	http://quotes.stormconsultancy.co.uk/quotes/6		Measuring programming progress by lines of code is like measuring ...
7	Donald Knuth	http://quotes.stormconsultancy.co.uk/quotes/27		Beware of bugs in the above code; I have only proved it correct, n...
8	Charles Babbage	http://quotes.stormconsultancy.co.uk/quotes/8		On two occasions I have been asked, 'Pray, Mr. Babbage, if you p...
9	Rick Osborne	http://quotes.stormconsultancy.co.uk/quotes/9		Always code as if the guy who ends up maintaining your code will b...
10	Rich Cook	http://quotes.stormconsultancy.co.uk/quotes/10		Programming today is a race between software engineers striving t...
11	Ovidiu Platon	http://quotes.stormconsultancy.co.uk/quotes/11		I don't care if it works on your machine! We are not shipping your ...
12	Bjarne Stroustrup	http://quotes.stormconsultancy.co.uk/quotes/12		I have always wished for my computer to be as easy to use as my ...
13	Sam Ewing	http://quotes.stormconsultancy.co.uk/quotes/33		Computers are like bikinis. They save people a lot of guesswork.
14	Alan Kay	http://quotes.stormconsultancy.co.uk/quotes/38		Most software today is very much like an Egyptian pyramid with mill...
15	Janie Zawinski	http://quotes.stormconsultancy.co.uk/quotes/32		Linux is only free if your time has no value.
16	Jeremy S. Ande...	http://quotes.stormconsultancy.co.uk/quotes/34		There are two major products that come out of Berkeley: LSD and ...
17	Larry DeLuca	http://quotes.stormconsultancy.co.uk/quotes/37		I've noticed lately that the paranoid fear of computers becoming in...
18	Keith Bostic	http://quotes.stormconsultancy.co.uk/quotes/18		Perl - The only language that looks the same before and after RSA...

feedback 1 x

Output

Action Output

# Time Action

Message

Duration / Search

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.