

An abstract graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a neural network, set against a dark blue gradient background.

INTEGRIVIDEO

AUTOMATION FRAMEWORK

PROJECT DESCRIPTION

Web application which give possibility for there clients to place easy different components like: cloud video recorder, multi-device video player, chat and others to there web project.

One thing you should do is add js script on your page.

WHAT WE SHOULD TEST?

- Projects
- Components
- Billing
- Chat



TECHNOLOGIES

- Java
- Maven
- TestNg
- Allure Report
- Selenium WebDriver
- GitLab
- Hamcrest
- Log4j
- REST Assured
- Lombok
- JavaFaker

INTERESTING LIBRARIES

Lombok:

@Getter / @Setter – easy creating of getters and setters

@ToString – implement basic toString() method

@EqualsAndHashCode – easy creating of equals() and hashCode() methods

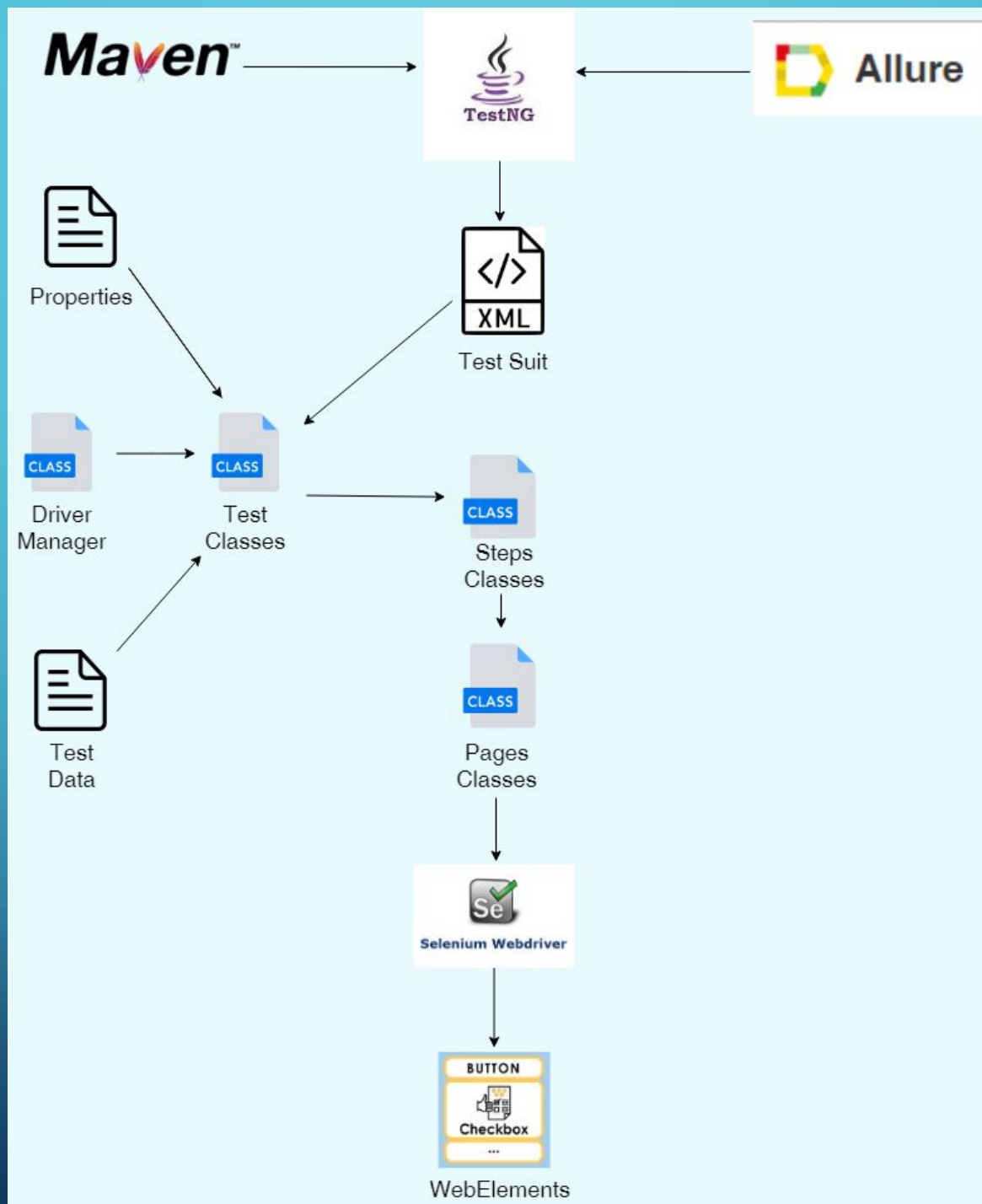
@Data – include @ToString, @EqualsAndHashCode, @Getter, @Setter

@Builder – implement builder pattern

@Log – add logger initialization

JavaFaker

Give possibility generate different tests data like: Address, Company, Finance, Phone number, Name, University. And also Game of The Thrones, Beer and Music.



HOW UNDERSTAND THAT MESSAGE HAS ALREADY EDITED

The screenshot shows the IntegriVideo chat interface. A message from 'Anonym...' says 'In God we trust the rest we test!'. The text is followed by '(edited)' and a timestamp '05/29/2019, 17:14'. A red arrow points from the '(edited)' text to the DOM tree in the browser's developer tools. The DOM tree shows the following structure:

```
<div class="integri-chat-message-text">
  In God we trust the rest we test!
  <div class="integri-chat-message-text::after">
    (edited)
  </div>
</div>
```

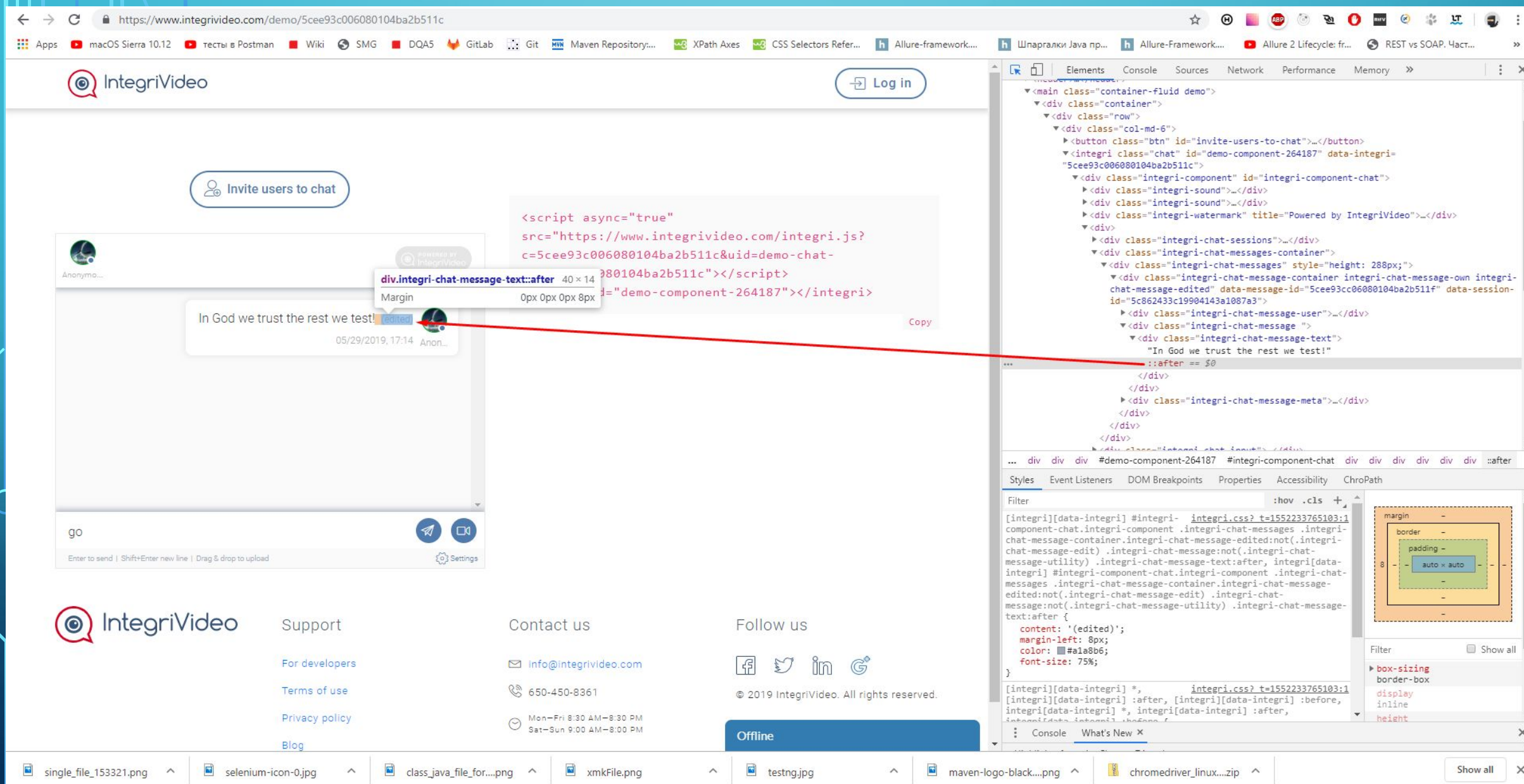
The tooltip for the `div.integri-chat-message-text::after` element shows the following script:

```
<script async="true"
src="https://www.integrivideo.com/integri.js?
c=5cee93c006080104ba2b511c&uid=demo-chat-
80104ba2b511c"></script>
<div class="integri-chat-message-text::after"
id="demo-component-264187"></div>
```

The browser's developer tools also show the CSS styles for the `#demo-component-264187` element:

```
margin: 8px;
border: 1px solid #ccc;
padding: 5px;
width: auto;
height: auto;
```

The footer of the page includes the IntegriVideo logo, support links, contact information, and social media links.



trainingframework > src > main > java > pages > DemoChatPage

Project

- pages
 - AddNewCardPage
 - BillingPage
 - CreateComponentPage
 - CreateProjectPage
 - DemoChatPage
 - LoginPage
 - Page
 - ProjectsPage
 - SingleProjectPage
- steps
- utils
- resources
 - drivers
 - files
 - json
 - environment.properties
 - log4j.properties
 - parallel-tests.xml
 - schema.json
 - setting.properties
- test
 - java
 - api
 - baseTest
 - BaseTest
 - CustomListener
 - ui
 - DemoChatTests
 - PaymentTests
 - ProjectTests
 - target
 - allure-results
 - classes
 - generated-sources
 - generated-test-sources
 - logs
 - maven-status
 - screenshots
 - surefire-reports
 - test-classes
 - pom.xml
 - External Libraries
 - Scratches and Consoles

DemoChatPage.java

Missing .gitignore file in Git project

```
206 public DemoChatPage clickRemoveButtonForOwnLastMessage() {
207     driver.findElement(DELETE_OWN_LAST_MESSAGE_BUTTON).click();
208     return this;
209 }
210
211 public DemoChatPage acceptAlert() {
212     driver.switchTo().alert().accept();
213     return this;
214 }
215
216 private List<WebElement> getMessageList() { return driver.findElements(OWN_MESSAGE_LIST); }
217
218
219
220 public String getOwnLastMessage() {
221     List<WebElement> messages = getMessageList();
222     String lastMessage = messages.get(messages.size() - 1).getText();
223     log.info("Get last message: " + "\"" + lastMessage + "\"");
224     return lastMessage;
225 }
226
227 public String getOwnLastDeletedMessage() {
228     wait.until(ExpectedConditions.presenceOfElementLocated(DELETING_MESSAGE_DIV));
229     List<WebElement> messages = getMessageList();
230     String lastMessage = messages.get(messages.size() - 1).getText();
231     log.info("Get last deleted message: " + "\"" + lastMessage + "\"");
232     return lastMessage;
233 }
234
235
236 public String getOwnLastEditedMessage() {
237     wait.until((ExpectedCondition<Boolean>) driver -> {
238         JavascriptExecutor js = (JavascriptExecutor) driver;
239         Object content = js.executeScript("return window.getComputedStyle(" +
240             "(document.getElementsByClassName('integr-chat-message-text')[0], '::after').getPropertyValue('content'))");
241         return content.toString().contains("\\(edited)\\");
242     });
243     List<WebElement> messages = getMessageList();
244     String lastMessage = messages.get(messages.size() - 1).getText();
245     log.info("Get last edited message: " + "\"" + lastMessage + "\"");
246     return lastMessage;
247 }
248
249 public boolean checkDemoVersionWindowIsDisplayed() {
250     wait.until(ExpectedConditions.presenceOfElementLocated(DEMO_VERSION_WINDOW));
251     return driver.findElement(DEMO_VERSION_WINDOW).isDisplayed();
252 }
```

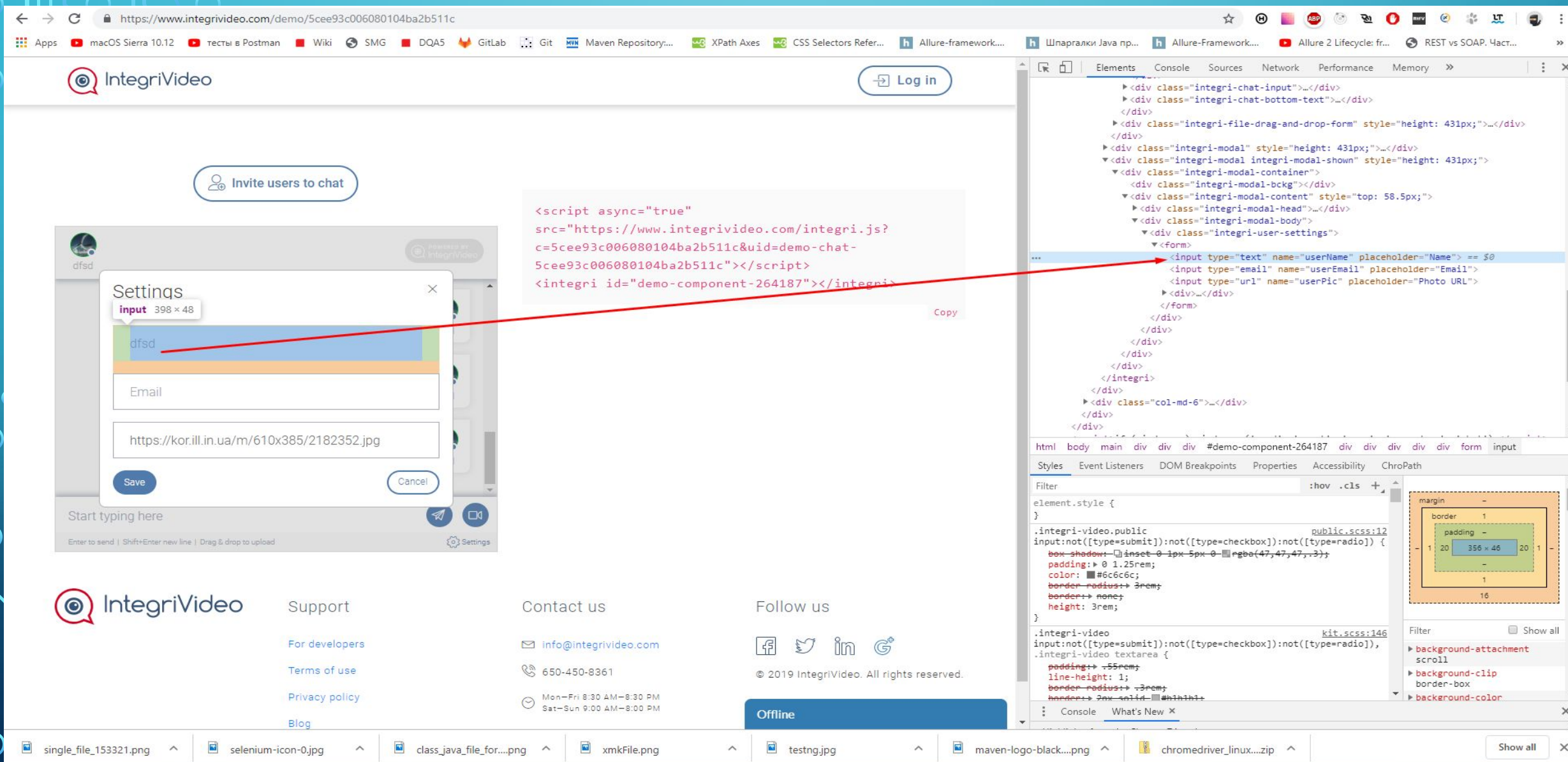
DemoChatPage > getOwnLastDeletedMessage()

HOW UNDERSTAND THAT MESSAGE HAS ALREADY SENT

The screenshot shows an IDE with a project structure on the left and a Java file named `DemoChatPage.java` in the center. The project structure includes a `test` directory with a `java` subdirectory containing `api` and `ui` packages. The `api` package contains `BaseApiTest`, `EndPoint`, `SpellerApiTests`, and `UsersApiTests`. The `ui` package contains `DemoChatTests`, `PaymentTests`, and `ProjectTests`. The `DemoChatPage.java` file contains several static final variables for XPath expressions and a `sendTenMessages` method. The `sendTenMessages` method is highlighted with a red box. It uses a `for` loop to send a message 10 times, with a `wait` statement before each send. The `wait` statement uses `ExpectedConditions.numberOfElementsToBeMoreThan` to ensure the message list has more than 10 elements.

```
28 private static final By DELETE_OWN_LAST_MESSAGE_BUTTON = By.xpath("//div[contains(@class, 'integri-chat-message-own')] +  
29 [last()]//span[contains(@class, 'integri-chat-remove-message')]");  
30 private static final By MESSAGE_FIELD_FOR_EDIT = By.xpath("//div[contains(@class, 'integri-chat-message-own')] +  
31 [last()]//textarea");  
32 private static final By DEMO_VERSION_WINDOW = By.xpath("//div[@class='integri-demo-version']");  
33 private static final By NAME_FIELD = By.xpath("//input[@placeholder='Name']");  
34 private static final By EMAIL_FIELD = By.xpath("//input[@placeholder='Email']");  
35 private static final By URL_FIELD = By.xpath("//input[@placeholder='Photo URL']");  
36 private static final By SAVE_BUTTON = By.xpath("//button[@class='integri-user-settings-save integri-button-blue']");  
37 private static final By OVERLAPS_NAME_WINDOW = By.xpath("//div[@class='integri-modal integri-modal-shown']");  
38 private static final By NAME = By.xpath("//div[@class='integri-session-user-name']");  
39 private static final By PHOTO = By.xpath("//div[@class='integri-chat-session']/div[1]");  
40 private static final By INPUT_FILE = By.xpath("//input[@type='file']");  
41 private static final By START_BUTTON = By.xpath("//button[contains(@class, 'integri-file-upload-start')]");  
42 private static final By ATTACHMENT_FILES = By.xpath("//span[@class='integri-chat-message-attachment-file-name']");  
43 private static final By DELETING_MESSAGE_DIV = By.xpath("//div[@class='integri-chat-message integri-chat-message-utility']");  
44 private static final By INVITE_BUTTON = By.xpath("//button[@class='btn']");  
45 private static final By NOTIFY_MESSAGE = By.xpath("//span[@data-notify='message']");  
46 private static final By UPLOADS_FILE_WINDOW = By.xpath("//div[@class='integri-modal integri-modal-shown']");  
47  
48 public DemoChatPage typeMessage(String message) {  
49     new Input(MESSAGE_FIELD, driver).sendKeys(message);  
50     return this;  
51 }  
52  
53 public DemoChatPage sendTenMessages(String message) {  
54     for (int i = 0; i < 10; i++) {  
55         wait.until(ExpectedConditions.numberOfElementsToBeMoreThan(OWN_MESSAGE_LIST, number i - 1));  
56         new Input(MESSAGE_FIELD, driver).sendKeys(message);  
57         clickSendButton();  
58     }  
59     return this;  
60 }  
61  
62 public DemoChatPage clickInviteButton() {  
63     driver.findElement(INVITE_BUTTON).click();  
64     return this;  
65 }  
66  
67 public String getNotifyMessage() {  
68     wait.until(ExpectedConditions.presenceOfElementLocated(NOTIFY_MESSAGE));  
69     String notifyMessage = driver.findElement(NOTIFY_MESSAGE).getText();  
70     log.info("Get notify message: " + notifyMessage);  
71     return notifyMessage;  
72 }  
73  
74 public String getCurrentUrl() { return super.getCurrentUrl(); }  
75  
76 public String getUrlFromBuffer() { return super.getUrlFromBuffer(); }
```


HOW GET THE VALUE?



document.getElementsByTagName('input')

The screenshot illustrates the use of `document.getElementsByTagName('input')` in a web application. It shows a settings modal on the IntegriVideo website, a code snippet for integrating the component, and the browser's developer console displaying the DOM structure of the input field.

IntegriVideo Website: The website features a header with the IntegriVideo logo and a "Log in" button. A "Settings" modal is open, showing a text input field with the value "dfsd". A red arrow points from this input field to the corresponding entry in the browser's developer console.

Code Snippet: The code snippet shows the integration of the IntegriVideo component using a script tag and an `<integri>` tag.

```
<script async="true"
src="https://www.integrivideo.com/integri.js?c=5cee93c006080104ba2b511c&uid=demo-chat-5cee93c006080104ba2b511c"></script>
<integri id="demo-component-264187">
</integri>
```

Developer Console: The console displays the DOM structure of the input field, showing its type, name, placeholder, and other properties. The `value` property is highlighted, showing the value "dfsd".

Footer: The footer includes the IntegriVideo logo, support links, contact information, and social media links.

A decorative graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a stylized tree structure, set against a dark blue gradient background.

MINUSES

- No models
- No elements wrapper (logs, waiters)
- No exception handling

A decorative graphic on the left side of the slide, consisting of a network of light blue lines and circles of varying sizes, resembling a circuit board or a neural network, set against a dark blue gradient background.

REST ASSURED

- BaseApiTest contains requestSpec and responsSpec
- EndPoint