

est Case II	ID	Test Case Description	Expected Result	Actual Result	Pass/Fail
TC1	U52.1	Test secure login with valid email/password credentials	User successfully logs in and is redirected to the dashboard.	User logged in but was not redirected to the dashboard.	Pass
TC2	U52.1	Test secure login with invalid email/password credentials	User receives an error message indicating invalid credentials.	User received correct error message.	Pass
TC3	U52.1	Test secure login using Google OAuth	User successfully logs in with Google and is redirected to the dashboard.	User logged in and redirected successfully.	Fail
TC4	U52.2	Test sentiment rating display for positive news article	Positive sentiment rating is displayed clearly and accurately for the article.	Sentiment rating displayed correctly.	Pass
TC5	U52.3	Test sentiment rating display for negative news article	Negative sentiment rating is displayed clearly and accurately for the article.	Sentiment rating not visible on the article page.	Pass
TC6	U52.4	Test sentiment rating display for neutral news article	Neutral sentiment rating is displayed clearly and accurately for the article.	Sentiment rating displayed correctly.	Pass
TC7	U52.5	Test filter for positive sentiment news articles	Only positive sentiment news articles are displayed after filtering.	Displayed positive sentiment articles as expected.	Pass
TC8	U52.5	Test filter for negative sentiment news articles	Only negative sentiment news articles are displayed after filtering.	Displayed articles with mixed sentiment, including positive and neutral.	Pass
TC9	U52.5	Test filter for neutral sentiment news articles	Only neutral sentiment news articles are displayed after filtering.	Displayed only neutral sentiment articles.	Pass
TC10	TT2.6	Test AI sentiment analysis engine for accuracy in classifying news articles	AI correctly classifies articles with at least 80% accuracy.	AI classification accuracy was 76%.	Fail
TC11	TT2.6	Test AI sentiment analysis on different types of news articles (positive, negative, neutral)	AI assigns correct sentiment rating to each article type (positive, negative, neutral).	AI sentiment classifications matched expected results.	Pass
TC12	TT2.7	Test login system with valid email/password and OAuth for user authentication	Users can log in using either email/password or OAuth without issues.	User successfully logged in with both methods.	Pass
TC13	TT2.7	Test login system with incorrect credentials or expired OAuth	User receives a proper error message indicating login failure.	User received incorrect error message for expired OAuth.	Fail
TC14	TT2.8	Test backend integration with sentiment analysis model for real-time processing	API successfully connects to the sentiment model and processes sentiment in real time.	API connected and processed sentiment data in real time.	Pass
TC15	TT2.8	Test latency for sentiment analysis API call from backend	Sentiment analysis completes within acceptable time limits (real-time processing).	Latency was above acceptable limits, causing a delay in sentiment analysis.	Fail