

项目ER Assistant是为了便于公司内部人员查找由用户使用NX软件时提出的一些BUG产生的处理请求单，每个会话都有一个独立的单号以及详细的处理过程。他们记录于公司服务器上。

ER Assistant网站资源分别部署在美国和印度的两台主机上，每台主机都提供2个端口用于服务，以防因意外使得服务瘫痪。我的**主要职责**是**定期维护**该网站及网站**后台数据库**，定期将用户产生和更新的ER内容从公司服务器**拉取并推送**到ER Assistant后台**Elastic Search**数据**服务**中。并修改验证前端界面是否生效。

ER Assistant by AI (ER data collection 1992-01-01 to 2025-08-05)

Find Similar ERs

Debug Tool

put

Select Input Type:
from ERs number

ERs Number:
2039928

Search Scope:
☒ Open
☒ Information Needed
☒ No Plans
☒ Implemented
☒ Not Reviewed

Number of ERs Retrieved:
20

Similarity Threshold of ERs Retrieved:
0.0

Include TAC Categories:
☐

Search

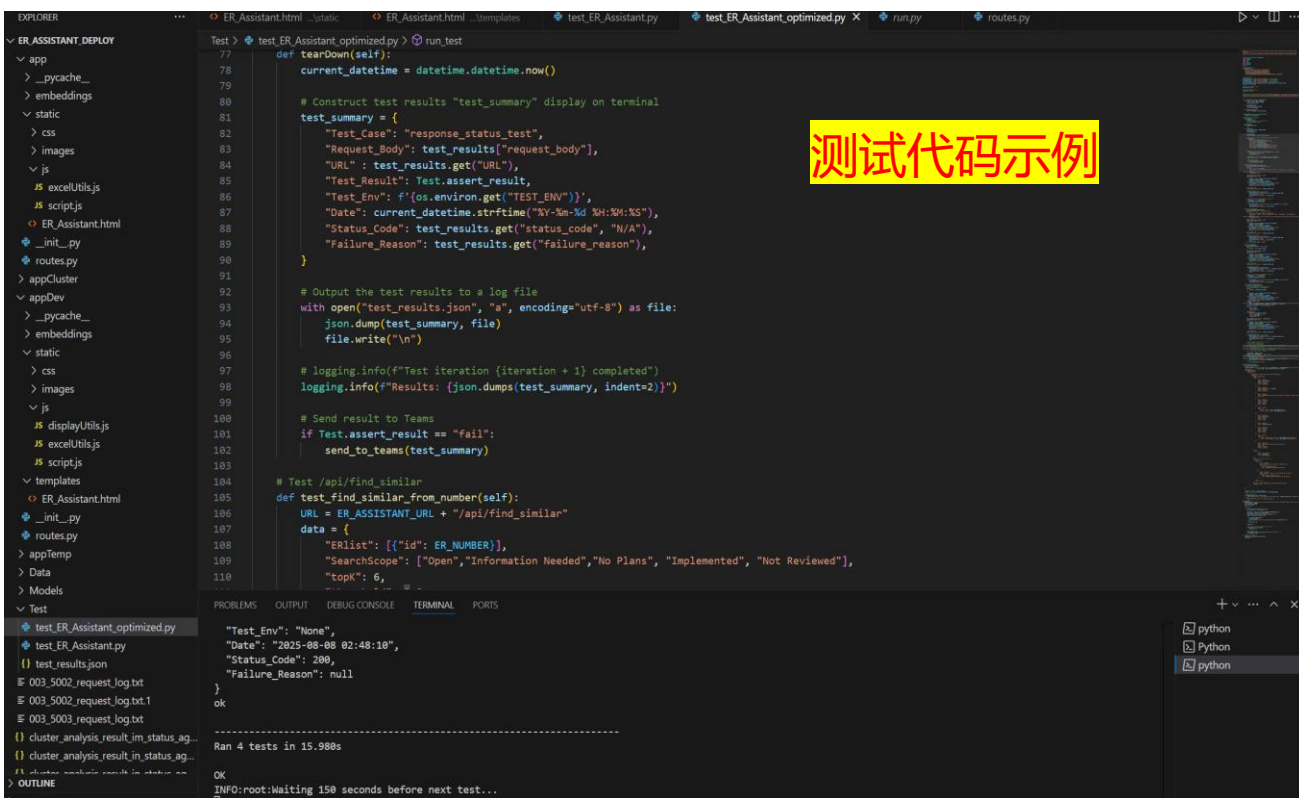
Similar ERs

1st Seed ER: 2039928

ID	Score	Relation to Seed ER	Status	ER Description	SubFunction	UpdateDate	Duplicates	Column visibility
2039928	1.0000	-	NR (Open)	Ability to create nested symbols just as in I-deas	USER_DEF_SYMBOL	2025-08-05	0	Detail
6748652	0.8977	-	NR (Open)	I-deas nested symbol is not imported to NX	IMPORT_SYM	2024-11-21	1 (6748652)	Detail
2170327	0.8760	-	NR (Open)	There is ideas-symbol for which the thumbnail is not made.	OTHER	2022-06-14	0	Detail
6497803	0.8756	-	NR (Open)	Cannot convert objects I defined to symbol.	CUSTOM_SYMBOLS	2022-06-14	0	Detail
6497804	0.8756	-	NR (Open)	Cannot convert objects I defined to symbol.	CUSTOM_SYMBOLS	2022-06-14	0	Detail
2167072	0.8718	-	NR (Open)	Cannot convert objects I defined to symbol.	CUSTOM_SYMBOLS	2022-06-14	0	Detail
10701989	0.8699	-	NR (Open)	Allow user to create a folder for the reuse library to store authored symbols	USER_INTERFACE	2024-07-05	0	Detail
6796754	0.8682	-	NR (Open)	ability to array a custom symbol	CUSTOM_SYMBOL	2022-06-14	1 (6796754)	Detail
1990178	0.8667	-	NR (Open)	Option missing to autom. convert selected items	USER_DEF_SYMBOL	2022-06-14	0	Detail
7323949	0.8639	-	NR (Open)	Dimensions are missing when Ideas symbols are imported as NX custom symbols	CUSTOM_SYMBOL	2022-06-14	0	Detail
413113	0.8634	-	Incomplete Specification	"ER" user defined symbol and not allowing the second to find connecting points.	USER_DEF_SYMBOL	2005-01-14	0	Detail
6286728	0.8630	-	In Review	Enable to support Drag&Drop and MB3->Insert, like Reuse Library.	CUSTOM_SYMBOLS	2022-06-14	0	Detail
5728261	0.8618	-	Implemented	Want Inherit option to insert welding symbol [BIW_2007_279_#2]	WELD_SYMBOLS	2014-01-25	0	Detail
352283	0.8617	-	Implemented	Ability to attach a second label to another label	NOTE/LABEL	2005-01-14	0	Detail
5908313	0.8613	-	Implemented	Integrate Reuse Library for Drafting	ALL	2012-10-29	0	Detail
9654574	0.8611	-	NR (Open)	ER Want to convert Symbol when defining symbol.	CUSTOM_SYMBOL	2022-06-14	0	Detail
10393801	0.8584	-	Implemented	ER: NX Diagramming Re-use symbol with existing ID	DESIGN	2024-05-13	0	Detail
6492587	0.8580	-	NR (Open)	Position a Custom Symbol using the point constructor menu from the reuse menu	CUSTOM_SYMBOLS	2022-06-14	0	Detail
10416939	0.8574	-	Obsolete	BIW-055 Bind symbols with different types together and move like one symbol	CORE	2022-10-21	0	Detail
9628079	0.8574	-	Open	CMM 12 Migration drawings, nested symbols failed	ALL	2019-11-21	0	Detail

维护结果示例

编写`pytest`测试脚本，用于检测服务器工作是否正常，当出现异常时及时通过`Adaptive Card`推送消息至工作交流软件`Teams`并@特定成员处理。`Adaptive Card`是一种跨平台的交互式UI组件，支持通过`JSON`格式定义布局和内容。当将报错信息注入进`JSON`后，脚本注册Bot服务，通过`Webhook`调用 Microsoft Teams API发送卡片。



```
Test > test_ER_Assistant_optimized.py > run_test
77 def teardown(self):
78     current_datetime = datetime.datetime.now()
79
80     # Construct test results "test_summary" display on terminal
81     test_summary = {
82         "Test_Case": "response_status_test",
83         "Request_Body": test_results["request_body"],
84         "URL": test_results.get("URL"),
85         "Test_Result": Test.assert_result,
86         "Test_Env": f'{os.environ.get("TEST_ENV")}',
87         "Date": current_datetime.strftime("%Y-%m-%d %H:%M:%S"),
88         "Status_Code": test_results.get("status_code", "N/A"),
89         "Failure_Reason": test_results.get("failure_reason"),
90     }
91
92     # Output the test results to a log file
93     with open("test_results.json", "a", encoding="utf-8") as file:
94         json.dump(test_summary, file)
95         file.write("\n")
96
97     # logging.info(f"Test iteration {iteration + 1} completed")
98     logging.info(f"Results: {json.dumps(test_summary, indent=2)}")
99
100     # Send result to Teams
101     if Test.assert_result == "fail":
102         send_to_teams(test_summary)
103
104     # Test /api/find_similar
105     def test_find_similar_from_number(self):
106         URL = ER_ASSISTANT_URL + "/api/find_similar"
107         data = {
108             "ERlist": [{"id": ER_NUMBER}],
109             "SearchScope": ["Open", "Information Needed", "No Plans", "Implemented", "Not Reviewed"],
110             "topK": 6,
111         }
```

