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# COSC540 – USER CASE REPORT

## HG12 - IMPLEMENT COMMAND LINE PARAMETER TO SPECIFY THE OUTPUT DESTINATION

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### USER STORY

As a user,  
I want to specify the target directory as command line parameter  
So that my html news reports should be written to and read from.

The use case below is defined for user story HG12 - Implement logic to specify the output destination through a command line parameter. Please look at the Use Case description for your details.

### USE CASE

#### SUMMARY

This use case is written for user story HG12 - Implement logic to specify the output destination through a command line parameter. Some main points for this user story:

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<b>Name</b>	<i>Configure output destination for report</i>
<b>Goal</b>	Develop logic to allow users to specify the output destination via a command line parameter.
<b>Actors</b>	End user, who needs to the headlines' summary
<b>Basic Flow</b>	Export report to specified output destination
<b>Alternative Flow</b>	Invalid Destination
<b>Bounded Alternative Flow</b>	Loss Network Connection
<b>Extension Points</b>	{Add Option}, {Scrap News}, {Validate output path}, {Export Report}
<b>Preconditions</b>	The headline_grabber command and basic functionalities are completed.
<b>Postconditions</b>	Application ready for next execution
<b>Relationship</b>	N/A

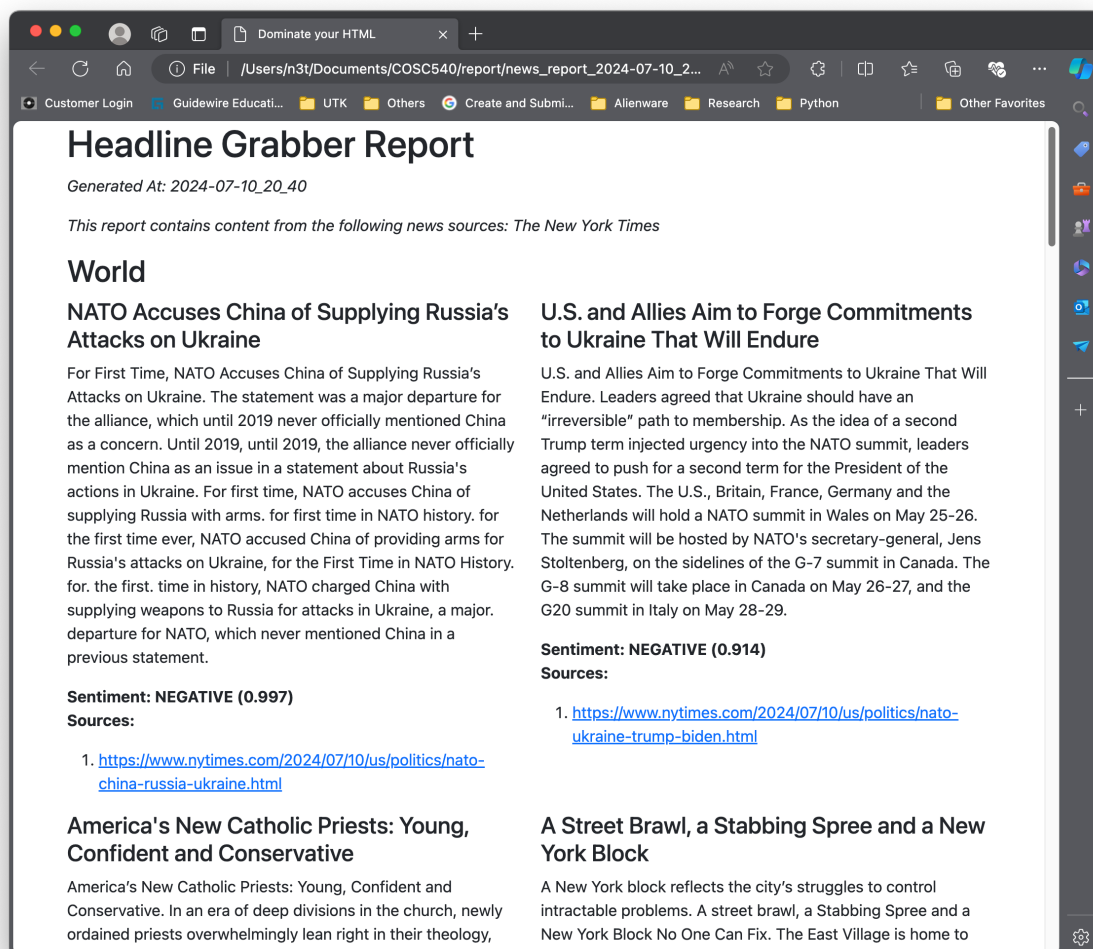
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## BASIC FLOW: EXPORT REPORT TO SPECIFIED OUTPUT DESTINATION

### BASIC FLOW: Export Report to Specified Output Destination

1. The user enters the command line headline\_grabber and required options.  
{Add Option}
2. The user types "--target\_dir " or "--td ".
3. The user enters a specific path.  
{Scrap News}
4. The system gets the target sources.
5. The system collects headline info.
6. The system fills data to template.  
{Validate Output Path}
7. The system validates the output destination path.  
{Export Report}
8. The system exports the HTML report to the destination.
9. End user will see the report is opened in the default browser.

Run the command line: `python src/headline_grabber.py -i nyt -td /Users/n3t/Documents/COSC540/report`  
The html file is generated, and the report is opened in the default browser



## ALTERNATIVE FLOW: INVALID THE DESTINATION

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### ALTERNATIVE FLOW: Invalid Destination

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At {**Validate Output Path**}, if the path is invalid  
The system displays error message to the command line output  
End without resuming the basic flow.



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Run the command line: `python src/headline_grabber.py -i nyt -td /Users/n3t/Documents/t@#$$%^&`  
The error message is displayed

Usage: `headline_grabber.py [OPTIONS]`  
Try '`headline_grabber.py --help`' for help.

Error: Invalid value for '--target-dir' / '-td': '/Users/n3t/Documents/t@#\$\$%^' is not a valid directory

## ALTERNATIVE FLOW: DESTINATION NOT EXISTED

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### ALTERNATIVE FLOW: DESTINATION NOT EXISTED

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At {**Validate Output Path**}, if the destination directory does not exist  
The system creates new directory/folder.  
Resume the basic flow at {**Export Report**}.



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Folder Structure

✓  COSC540

>  M3

>  M4

>  M5

>  Original

>  proj

Run the command line: `python src/headline_grabber.py -i nyt -td /Users/n3t/Documents/COSC540/report`

✓  COSC540

>  M3


>  M4

>  M5

>  Original

>  proj

✓  report

 news\_report\_2024-07-10\_20\_34.html

## ALTERNATIVE FLOW: OPTION IS NOT INPUTED

### ALTERNATIVE FLOW: OPTION IS NOT INPUTED

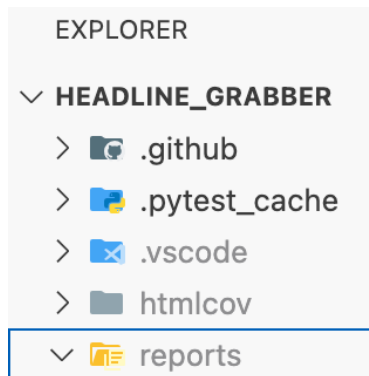
At {**Add Option**}, if the user does not add option

3a. The system set the path The system sets output destination path to “./report”.

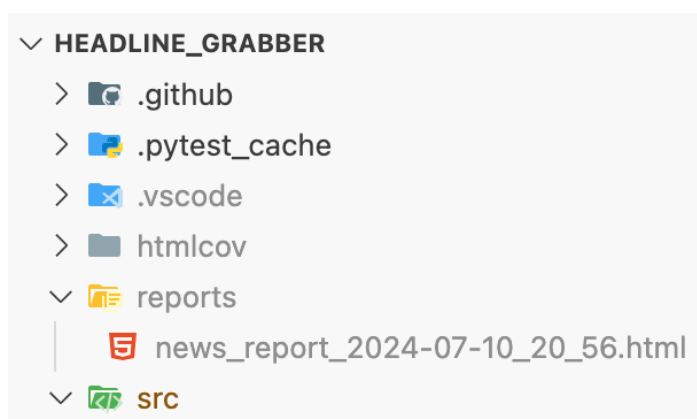
Resume the basic flow at {**Scrap News**}.



The project folder



Run the command line: `python src/headline_grabber.py -i nyt -td /Users/n3t/Documents/COSC540/report`



## BOUNDER ALTERNATIVE FLOW: LOST NETWORK CONNECTION

### BOUNDED ALTERNATIVE FLOW: Lost Network Connection

At any point between Action 4 and Action 5, if network connection is lost

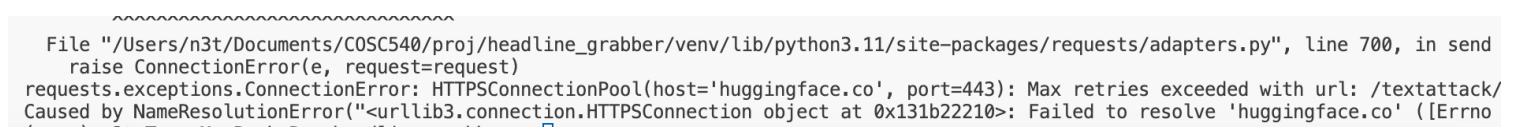
Error or exception is displayed on the command line output.

End without resume the basic flow.



Run the command line: `python src/headline_grabber.py -i nyt -td /Users/n3t/Documents/COSC540/report`

ConnectionError is displayed



## EXTENSION: EXPORT REPORT

At **{Add Option}** in use case *Export Report to Specified Output Destination*

With this extension, the user will put the option --target-dir or -td to specify the report destination. □

## EXTENSION: EXPORT REPORT

At **{Scrap News}** in use case *Export Report to Specified Output Destination*

With this extension, the system will load the html and get the required information from the source. □

## EXTENSION: VALIDATE OUTPUT PATH

At **{Validate Output Path}** in use case *Export Report to Specified Output Destination* <application set the output directory>

With this extension, the application will check the user specific directory to see if it has existed or not. □

## EXTENSION: EXPORT REPORT

At **{Export Report}** in use case *Export Report to Specified Output Destination*

With this extension, the application will generate info from varying news sources and put data into the predefined template, export to the specific directory. □