

# **Debug Entity**

## Online Cloud Compiler (ONCC) Sprint 7 Presentation

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# Agenda

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Overview

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Sprint 6 Recap

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Sprint 7 Report

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Product Backlog (Sprint 8)

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Retrospective

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Conclusion

Demo

# Overview of Sprint 7

- An online cloud compiler web application with five most demanding programming languages such as C/C++, Java, Python and C#.
- In this sprint, we resolved bugs for connectivity between C language module having in our application.
- The compiler has facilitated with C and C++ language module in the drop-down menu.
- Our save feature is available for the authorized users to save their code whenever required for further use.
- A bug occurred after embedding C module in flask that disrupted the page layout of the application.



# Recap of Sprint 6

Issue Type	ID	Summary	Priority	Status	Story Points
Story	<a href="#">ONCC-36</a>	As a Guest User, I want to have an option to select C programming language so that I can compile my code written in C language	Highest	In Progress	22
Task	<a href="#">ONCC-21</a>	Migration of mongoDB users table into dynamoDB Part-2	Highest	Done	8
Task	<a href="#">ONCC-20</a>	Onboarded whole team on AWS platform	Highest	Done	8
Task	<a href="#">ONCC-24</a>	Get the reference of the C compiler using python pre-processing module	Highest	Done	7
Story	<a href="#">ONCC-26</a>	As a guest user I want to access a web application on cloud server so that I can compile code in any programming language.	Highest	Done	4
Task	<a href="#">ONCC-25</a>	Make a module to take pre-defined input from user for C module	Medium	Done	7
Task	<a href="#">ONCC-48</a>	Merge C language compiler module with Flask web application	Medium	In Progress	5
Task	<a href="#">ONCC-23</a>	Installation of C compiler module on system	Medium	Done	5
Task	<a href="#">ONCC-31</a>	Update User Manual for sprint 6	Medium	Done	2
Task	<a href="#">ONCC-29</a>	Make sprint 6 presentation slides	Medium	Done	2
Bug	<a href="#">ONCC-49</a>	Connectivity between the C language module and web application	Medium	In Progress	N/A
Task	<a href="#">ONCC-35</a>	Update wiki page for sprint 6	Low	Done	3
Task	<a href="#">ONCC-30</a>	Update Technical paper for sprint 6	Low	Done	2
Task	<a href="#">ONCC-28</a>	Update website design and make it more user friendly	Low	In Progress	3

# Sprint 7 Report

Issue Type	ID	Summary	Priority	Status	Story Points
Story	<a href="#">ONCC-36</a>	As a Guest User, I want to have an option to select C programming language so that I can compile my code written in C language	Highest	Done	22
Task	<a href="#">ONCC-43</a>	Embedding compiler into the web Application	Highest	Done	4
Story	<a href="#">ONCC-51</a>	As a Guest User, I want to have an option to select C++ programming language so that I can compile my code written in C++ language	Highest	Done	22
Story	<a href="#">ONCC-37</a>	As an Existing User, I want the ability to Save my code so that I can retrieve my saved code whenever required	High	Done	6
Task	<a href="#">ONCC-38</a>	Create a table for saving code	High	Done	2
Task	<a href="#">ONCC-53</a>	Get the reference of the C++ compiler using python pre-processing module	Medium	Done	7
Task	<a href="#">ONCC-63</a>	Make a module to take pre-defined input from user for C++ module	Medium	Done	7
Task	<a href="#">ONCC-54</a>	Merge C++ language compiler module with Flask web application	Medium	Done	5
Task	<a href="#">ONCC-52</a>	Installation of C++ compiler module on system	Medium	Done	5
Task	<a href="#">ONCC-48</a>	Merge C language compiler module with Flask web application	Medium	Done	5
Task	<a href="#">ONCC-46</a>	Update User Manual	Medium	Done	3
Bug	<a href="#">ONCC-61</a>	Layout of the HTML page is disrupted after embedding compiler module in flask web application	Medium	In Progress	2
Task	<a href="#">ONCC-55</a>	Update Wiki page on GitHub	Medium	Done	2
Task	<a href="#">ONCC-44</a>	Make presentation slides for sprint7	Medium	Done	2
Task	<a href="#">ONCC-40</a>	Fetch saved code from database	Medium	Done	2
Task	<a href="#">ONCC-45</a>	Update technical Paper	Medium	Done	1
Task	<a href="#">ONCC-28</a>	Update website design and make it more user friendly	Low	Done	3
Task	<a href="#">ONCC-39</a>	Update front-end for save feature	Low	Done	2

# Committed and Completed Artifacts

ID	User Story	Acceptance Criteria	Story Priority	Story Points	Task ID	Summary	Task Priority
<a href="#">ONCC-36</a>	As a Guest User, I want to have an option to select C programming language so that I can compile my code written in C language	Given that the Guest User is on the Home Page, when the user select the option for C programming language from drop-down menu, then the user will be able to write and compile code in C language.	Highest	22	<a href="#">ONCC-23</a>	Installation of C compiler module on system	Medium
					<a href="#">ONCC-24</a>	Get the reference of the C compiler using python pre-processing module	Highest
					<a href="#">ONCC-25</a>	Make a module to take pre-defined input from user for C module	Medium
					<a href="#">ONCC-48</a>	Merge C language compiler module with Flask web application	Medium
<a href="#">ONCC-51</a>	As a Guest User, I want to have an option to select C++ programming language so that I can compile my code written in C++ language	Given that the Guest User is on the Home Page, when the user select the option for C++ programming language from drop-down menu, then the user will be able to write and compile code in C++ language.	Highest	22	<a href="#">ONCC-52</a>	Installation of C++ compiler module on system	Medium
					<a href="#">ONCC-63</a>	Make a module to take pre-defined input from user for C++ module	Medium
					<a href="#">ONCC-53</a>	Get the reference of the C++ compiler using python pre-processing module	Medium
					<a href="#">ONCC-54</a>	Merge C++ language compiler module with Flask web application	Medium
<a href="#">ONCC-37</a>	As an Existing User, I want the ability to Save my code so that I can retrieve my saved code whenever required	Given that the Existing User is on the Home Page, the user will be able to save code after clicking on "Save" button.	High	6	<a href="#">ONCC-40</a>	Fetch saved code from database	Medium
					<a href="#">ONCC-38</a>	Create a table for saving code	High
					<a href="#">ONCC-39</a>	Update front-end for save feature	Low

# Test Cases

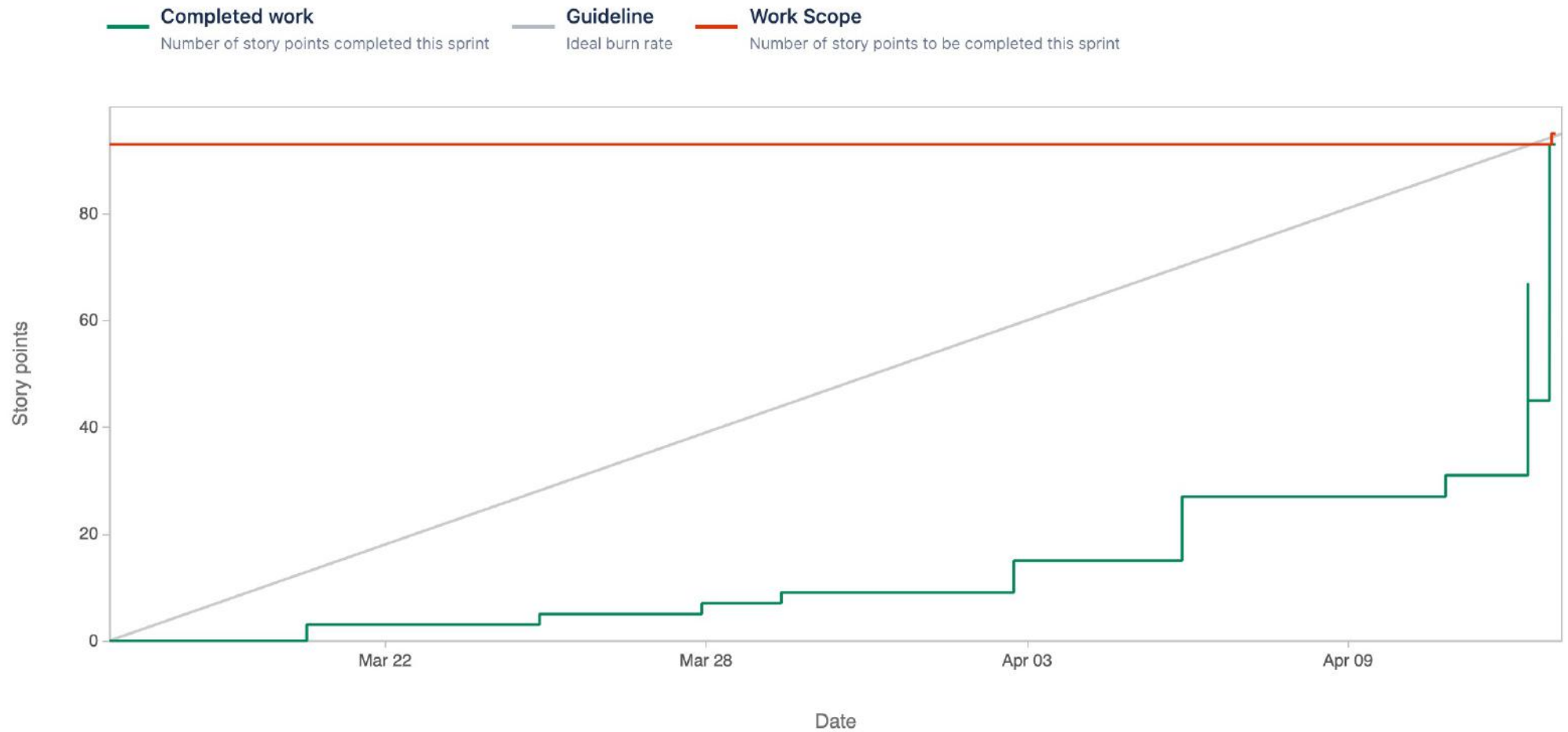
Test Cases for	Story ID	Steps	Test Cases	Test Data	Expected Results	Actual Results	Status
Compiler	<a href="#">ONCC 36</a>	1	Writing and compiling the code in C language.	Enters the code in C language and click on Run button	Code should be compiled successfully and get the desired output or errors	Code should be compiled successfully and get the desired output or errors	PASS
				Enters the code in C language and click on Run button	Code is not successfully compiled and shows error	Code Returns Appropriate Error in the error list	PASS
		2	Compiling empty code	Click on Run button without writing code	Will show error for empty code in error field	Shows Empty Code message	PASS
		3	Running test code in python pre-processing module	Entering C code in pre-processing module	Getting desired output in String variable	Got output in the String variable	PASS
				Entering C code in pre-processing module	Getting expected error in Error variable if code is wrong	Got desired error in the Error variable	PASS
				Entering C code in pre-processing module	Entering Predefined Input for the code to compile with input	Accepting input for written code and compiling with the input	PASS
		4	Entering Predefined input	Entering input in the input field for the compilation of code with input parameter	Taking input from input field and adding it into the code	Predefined Input was taken from the code	PASS
				Entering input in the input field for the compilation of code with input parameter	Showing input missing when the field is empty when required	No Output	FAIL
Save	<a href="#">ONCC-37</a>	1	Saving Code in Database	Code Written in the Code Area and clicking the save button	Code must be saved in the database and should display the title in the saved area	Code is getting stored in the database and it is displayed in the saved area	PASS
		2	Saving Code in Database	Empty code is stored	It should pop up the message that code is empty	When clicked on the save with empty code it shows that code is empty	FAIL

# Test Cases Continued

Test Cases for	Story ID	Steps	Test Cases	Test Data	Expected Results	Actual Results	Status
Compiler	ONCC-51	1	Writing and compiling the code in C++ language.	Enters the code in C++ language and click on Run button	Code should be compiled successfully and get the desired output or errors	Code should be compiled successfully and get the desired output or errors	PASS
				Enters the code in C++ language and click on Run button	Code is not successfully compiled and shows error	Code Returns Appropriate Error in the error list	PASS
		2	Compiling empty code	Click on Run button without writing code	Will show error for empty code in error field	Shows Empty Code message	PASS
		3	Running test code in python pre-processing module	Entering C++ code in pre-processing module	Getting desired output in String variable	Got output in the String variable	PASS
				Entering C++ code in pre-processing module	Getting expected error in Error variable if code is wrong	Got desired error in the Error variable	PASS
				Entering C++ code in pre-processing module	Entering Predefined Input for the code to compile with input	Accepting input for written code and compiling with the input	PASS
		4	Entering Predefined input	Entering input in the input field for the compilation of code with input parameter	Taking input from input field and adding it into the code	Predefined Input was taken from the code	PASS
				Entering input in the input field for the compilation of code with input parameter	Showing input missing when the field is empty when required	No Output	FAIL



# Sprint 7 Burndown Chart



# Product Backlog

Issue Type	ID	Summary	Priority	Status	Story Points
Story	<a href="#">ONCC-56</a>	As a Guest User, I want to have an option to select C# programming language so that I can compile my code written in C# language	Highest	To Do	22
Task	<a href="#">ONCC-42</a>	Creating and saving session of logged in user in logDB.	High	To Do	2
Bug	<a href="#">ONCC-61</a>	Layout of the HTML page is disrupted after embedding compiler module in flask web application	Medium	In Progress	2
Task	<a href="#">ONCC-60</a>	Merging the C language compiler module with Flask web application	Medium	To Do	5
Task	<a href="#">ONCC-59</a>	Make a module to take pre-defined input from user for C# language	Medium	To Do	7
Task	<a href="#">ONCC-58</a>	Get the reference of the C# compiler using python pre-processing module	Medium	To Do	7
Task	<a href="#">ONCC-57</a>	Installation of C# compiler module on system	Medium	To Do	5
Task	<a href="#">ONCC-50</a>	Implementing AWS services i.e., Boto3, AWS authy in Compiler	Medium	To Do	3
Story	<a href="#">ONCC-41</a>	As a New/Existing User I want to have the New option so that I can write New program	Medium	To Do	3
Task	<a href="#">ONCC-47</a>	Add AWS service module in the architecture diagram	Low	To Do	1

This bug occurred after completion of story ONCC-51 in Sprint 7 and is not related to any stories.

# Retrospectives

## What went well

- Successfully addressed all the feedback, comments and concerns in the documentation.
- Minimalized the number of tasks based on the priority and severity.
- Brain-stormed to find out the risk of meeting the deadline and acted wisely.

## What needs improvement

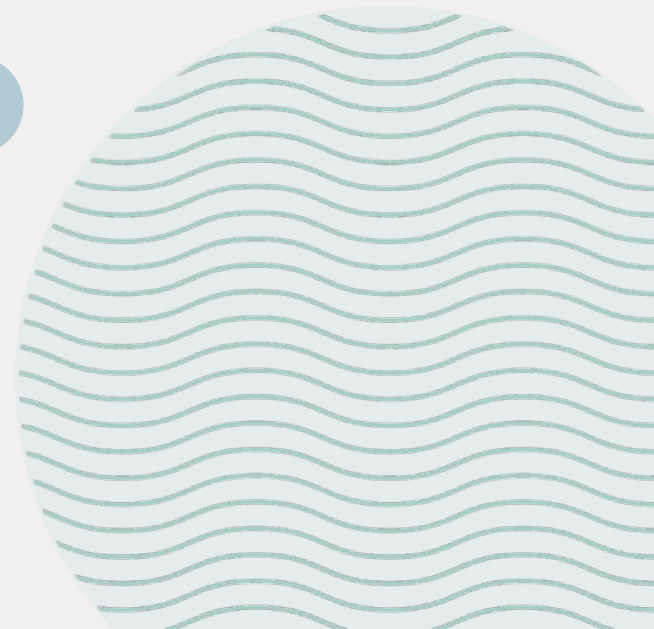
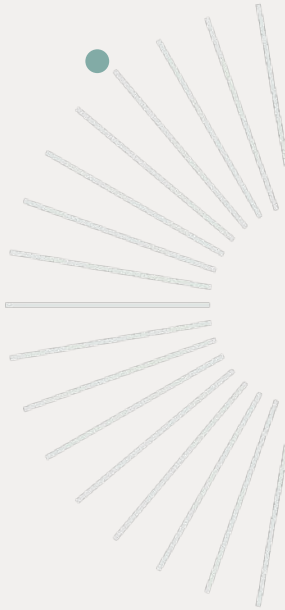
- Needs diving deeper on each task to optimize the planning.
- Based on severity level prioritize the fixing the issues or addressing the feedback.
- Needs to invest more time on discuss while planning and development.

## Next Steps

- Schedule a meeting for a detailed discussion on optimizing the planning. Owner : Brandon and Ramesh
- Plan how to prioritize the severity level of the issues, feedback or task. Owner : Anchal & Harshada
- Come out with the plan how can we improve the discussion on planning and development. Owner : Tushar & Sanath

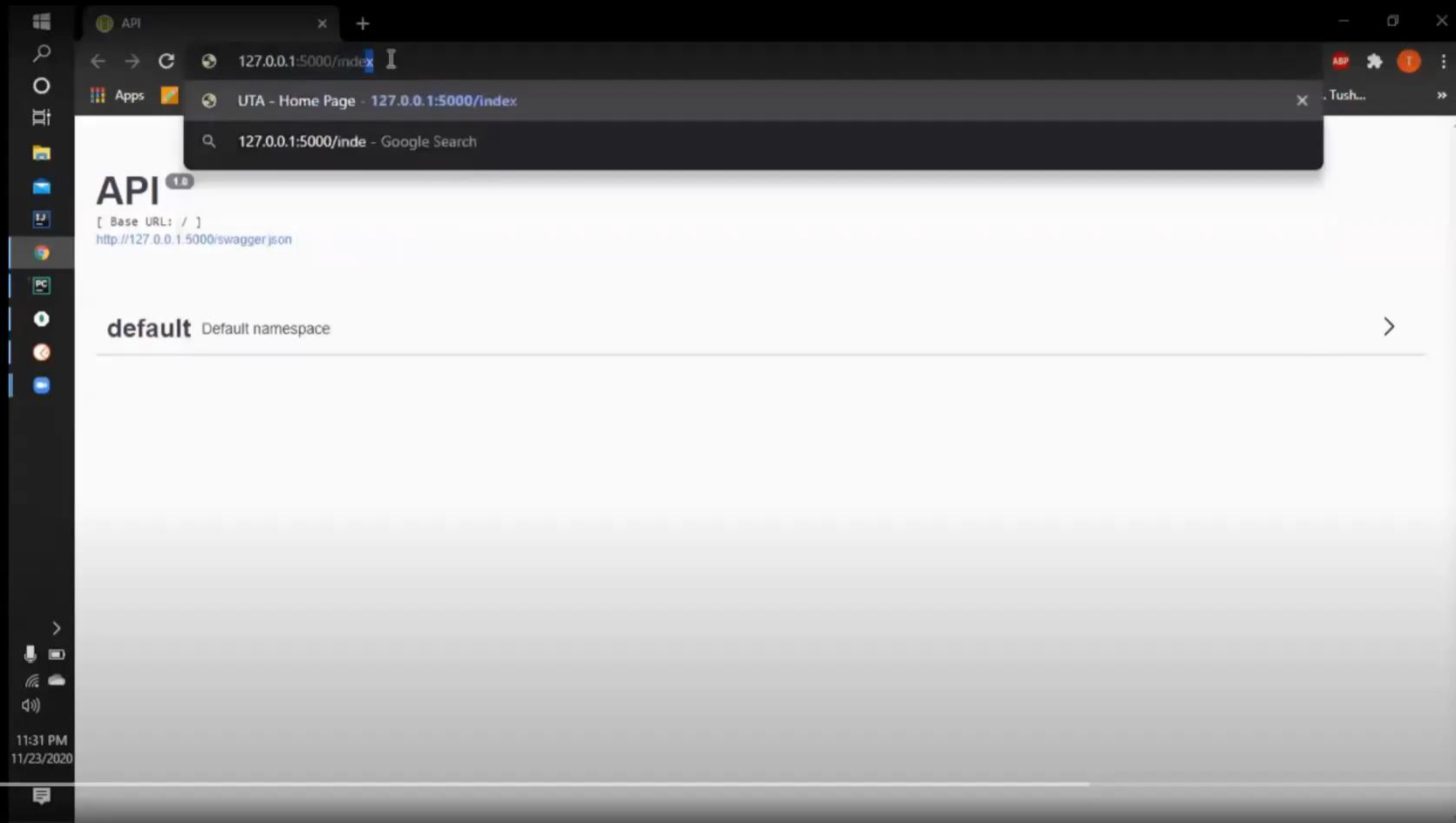
# Conclusion

- <https://github.com/sg99356n/OnlineCC/wiki>



# Demo

Demo1.mp4



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