C Parser Case Study - Journal Entry

Fill out this form at various points during the C Parser case study to document the experience implementing and gradually verifying the C Parser.

* Indicates required question

1.   Date of Session Start *

_____

Example: January 7, 2019

2.   Time of Session Start *

_____

Example: 8:30 AM

3.   Date of Session End *

_____

Example: January 7, 2019

4.   Time of Session End *

_____

Example: 8:30 AM

5. What have you been working on? (What have you been implementing or verifying?) *

    Include things like:

    - Functions or modules implemented
    - Features implemented
    - Specifications written
    - Modules/functions specified
    - Types of properties proven
    - Types of specifications written
    - Proof obligations written

    _____

    _____

    _____

    _____

    _____

6. How does what you have been working on relate to other entries/the overall   *
    implementation/verification process? Is there a reason or reasons why this is the
    next step or set of steps?

    _____

    _____

    _____

    _____

    _____

7.   Anything of note during the process? *

- Any trade-offs made?
- Any verifier feedback utilized?
- Any bugs in specs or code?
- Any tool limitations? How were they overcome if applicable? Suggested improvements (what would be helpful)?
- Positives/negatives about the tool/gradual verification?
- GV reactions to changes in code or specs?
- Conversion issues between C and C0?

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8.   Theme of this Entry *

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9.   Did you manually save console output during this session? (Yes/No + any   *
       additional details)

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10.   What verifier data corresponds to this entry? *

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Google Forms