



## PROFESSIONAL PRACTICE

### CATEGORY A, B & C ACTIVITY LOG SHEET

#### 1. PERSONAL DETAILS

<b>Griffith identification Number</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">5</div> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px;">8</div> <div style="border: 1px solid black; padding: 2px 5px;">8</div> <div style="border: 1px solid black; padding: 2px 5px;">7</div> <div style="border: 1px solid black; padding: 2px 5px;">7</div> </div>	<b>Family Name:</b> Barber  <b>Other Names:</b> Jessy
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#### 2. PROFESSIONAL PRACTICE ACTIVITY

<b>CATEGORY</b> <small>(See Note 1)</small> <div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">A</div>	<b>Days</b> <small>(See Notes 2 &amp; 3)</small> <div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">5</div>
<b>Week Beginning</b> 12 / 12 / 22	<b>Week Ending</b> 16 / 12 / 22
<b>Supervisor Name:</b> Alex Forward	<b>Contact Ph:</b> +61755492370
<b>Organisation Name:</b> Gilmour Space Technologies	<b>Email:</b> alex.forward@gspace.com
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#### 3. ACTIVITY DESCRIPTION & REFLECTION

**Description of Activities Undertaken:** (Approximately 50 words)

I Finished writing the code for my applications this week and made some software documentation. This involved analysing the functional / non-functional, software requirements and creating software diagrams. This was great practise to become familiar with the industry standard of software documentation. I also had my code peer reviewed and was given some constructive criticism. I was able to implement one of the suggestions which was to create a CAN ID generator based on starting hexadecimal address. This was a great addition to my software since I can use any battery module if I know this starting address which a big improvement is over having the ID's hard coded.

**Discuss the Engineering Application Abilities Developed:** (Approximately 50 words) (See Note 5)

This week I developed my application of systematic engineering synthesis and design processes. This is mostly through my experiences in developing official software documentation and taking part in the code peer review process. This has greatly improved my understanding of the wholistic engineering process. I was able to document commission and report my design outcome and document tests that will verify the performance of my software.

**Discuss the Professional and Personal Attributes Developed:** (Approximately 50 words) (See Note 5)

I was able to gain experience in effective written communication in a professional domain through my software documentation. I was able to prepare my first high quality engineering document for the purpose of reporting specifications, diagrams, and technical descriptions pertinent to the functionality of my code. This has been a very insightful week in which I have personally grown under my development of this engineering principle. It has given me a much more wholistic understanding of the software design process which will ultimately aid my ability to engineer software in the future.

#### 4. STUDENT SIGNATURE

<b>Student Signature:</b> <i>Jessy Barber</i>	<b>Date:</b> 17-12-2022
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**Notes:**

1. See the table provided in the Activity Log Guidelines for the definition of each category of professional practice.
2. For work experience paid on a casual hourly basis, a day of work is taken as 7.25 hours.
3. Only days between Monday and Friday can be counted for research undertaken at Griffith University in Category B Professional Practice, unless prior approval has been granted by the course convenor for 6008ENG.
4. At least one Activity Log Sheet must be provided with each Record Sheet for Professional Practice in categories A, B and C.
5. Refer to the Engineers Australia Stage 1 Competencies.