Appendix 1: The Pair Programming Guidelines

<table>
<thead>
<tr>
<th>Planning Guidelines</th>
<th>Action Guidelines</th>
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</thead>
<tbody>
<tr>
<td>Following this stage, attempt to:</td>
<td>(for the driver):</td>
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<tr>
<td>- Look back on your last couple of steps and review your actions, or go back to step 1.</td>
<td>(for the navigator):</td>
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<tr>
<td>- Think about what your partner is saying and doing. Offering your own perspective can help move the work forward.</td>
<td>(for the driver):</td>
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<tr>
<td>- Suggest potential impact.</td>
<td>Whilst the driver is programming, actively look to make suggestions that contribute to the code.</td>
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<tr>
<td>- Review previous code.</td>
<td>(for the navigator):</td>
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<tr>
<td>- Suggest improvements.</td>
<td>Whilst the driver is programming, use this opportunity to make sure your suggestions have been properly understood.</td>
</tr>
<tr>
<td>- Suggest potential improvement.</td>
<td>(for the driver):</td>
</tr>
</tbody>
</table>

If you and your partner are stuck in a silent period and cannot seem to progress, try discussing something completely unrelated to the issues at hand. This will allow you to tackle the problem with a fresh outlook.

Suggests and reviews are both useful states that will allow you to drive your work forward. When in these states, feel free to communicate about a range of things: a potential cycle could be as follows:

- Review previous code.
- Suggest improvements.
- Suggest potential impact.
- Review methods to be changed.
- Suggest potential impact.

Learning to say I don't know or I don't understand is critical. Always explain things immediately - try to avoid replying with if you see in a while, as this will distract your partner.

Restarting Guidelines

If you and your partner are stuck in a silent period and cannot seem to progress, actively break your focus by discussing something completely unrelated to the issues at hand. This will allow you to tackle the problem with a fresh outlook.

Suggestions and reviews are both useful states that will allow you to drive your work forward. When in these states, feel free to communicate about a range of things: a potential cycle could be as follows:

- Review previous code.
- Suggest improvements.
- Suggest potential impact.
- Review methods to be changed.
- Suggest potential impact.

Learning to say I don't know or I don't understand is critical. Always explain things immediately - try to avoid replying with if you see in a while, as this will distract your partner.

If you are in disagreement with your partner, you may find it helpful to break for lunch/coffee/etc. – during which you should physically walk away from your desk.

Thinking ahead, since you'll be driving in a short while: what is the current course of action not covering? Is there anything worth verifying that might have been left out?

If you are in disagreement with your partner, you may find it helpful to break for lunch/coffee/etc. – during which you should physically walk away from your desk.

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