**Test Plan (Section 3.3)**

**We’ll talk more about testing on Tuesday ...**

For now, consider *how* & *when* you will do

1. **Code review** … early form of testing (more later)
2. **System testing** … finding bugs, ensuring quality
3. **Usability testing** … intuitive, ease of use (observe users)
4. **Load/Performance testing** … scales up, responsive, etc
5. **Security testing**
6. **Alpha/Beta/Deployment testing** … “in the wild”

* need to be factored into overall project planning

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**Risks (Section 4)**

**Risks ...**

“Post mortems” vs “Pre mortems”

**Pre-Mortem Exercise:**

- Assume project just ended, and failed (or challenged)
- Failed means not useful/usable, or didn’t complete MVP
- Brainstorm reasons why ...
Risks (Section 4)

What are potential **project risks**? …

- New technology (e.g., PLs and frameworks)
- Dependencies (other teams, other systems)
- Inexperience (specific technology or techniques)
- Unchartered territory (novel technical approaches)
- Unclear/changing requirements
- Communication difficulties
- Lack of buy in or shaky benefits
- …

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**Risks -- Identify, Monitor, Mitigate (Section 4)**

Identify and make a plan for your project risks

1. Write down **describe** the risk
2. Explain **why** it is a risk and its **potential impact**
3. What you will do to initially **prevent** it
4. What events/situations will **trigger mitigation** (a Plan B)
5. What you will do if risk becomes reality (what is **Plan B**)

* This is what is needed for your project plan (identify, monitor, mitigate)
Exercise: Identify a project risk:

- How will you try to prevent it?
- How will you monitor it?
- What is your Plan B?
- What events/situations will trigger change in plan?

Maintenance Plan (Section 6)

Maintenance Considerations

1. Once project is completed, who will maintain it?

2. What will maintenance entail?
   - Bug fixes?
   - Modifications/extensions?
   - Further integration into production system?

3. How will you develop/design the system to help?
   - Are there design decisions to make maintenance easier?
   - Documentation?
Project Management Considerations (Section 7)

How are you organizing yourselves as a team?

- When/where are your weekly team meetings
- When/where are you meeting your sponsor, etc.
- What tools are you using?
- How are you breaking up the work?
- Who is responsible for what?
- ...

The Appendix

You can use for any additional info ...

- E.g., additional diagrams (from your sponsor)
Example Gantt Chart

For your project plan …

Table 4: Sprint Release Plan

<table>
<thead>
<tr>
<th>Sprint Date</th>
<th>Spring Goal</th>
<th>Backlog</th>
<th>What we will demo</th>
</tr>
</thead>
<tbody>
<tr>
<td>4th Week in Oct to 1st week in Nov</td>
<td>Brief summary of the overall goal of the sprint</td>
<td>Requirements from Table 2 that will be finished</td>
<td>What aspects will you show users/sponsor to get feedback on</td>
</tr>
<tr>
<td>2nd Week in Nov to 3rd Week in Nov</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>4th Week in Nov to 1st Week in Dec</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>