THANK YOU
Thank you for downloading the VisuAL PM® Sampler by Projerra Management Inc. We hope that this small sample of our products will demonstrate the value and benefit that they will provide to you. Contained in this document are sample pages from the VisuAL PM® Inputs, Outputs, Tools and Techniques, and the VisuAL PM® Mind Map.

ABOUT VisuAL PM®
VisuAL PM® is Visually Assisted Learning for Project Management. It is a suite of products that can help you visualize the relationships and dependencies that exist between the knowledge areas, processes, and documents that are defined in the PMBOK® Guide Fourth Edition. The graphical presentation helps you see the associations between the processes and the various input and output documents.

For additional VisuAL PM® products please visit our website www.projerra.ca.

We appreciate receiving thoughts and feedback from the professionals that use our products. Please contact us at info@projerra.ca.

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HOW TO USE VisuAL PM®
Color and graphics have been used to visually represent the relationships between the 47 processes, 10 knowledge areas, 5 process groups, and 200+ inputs/outputs that are defined in the PMBOK® Guide Fifth /Edition.

Each sheet presents the processes associated within a single knowledge area. The header of the sheet identifies the knowledge area and the chapter where that knowledge area is defined in the PMBOK® Guide. Color been used to identify the different process groups and project phases. In the Mind Map, icons have been used to help you identify the various inputs, outputs, tools and techniques that support the process.

The full product comes with a legend that defines the different colors and icons.
## Scope Management | Chapter 5

<table>
<thead>
<tr>
<th>Process Name</th>
<th>Inputs</th>
<th>Tools and Techniques</th>
<th>Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5.1 Plan Scope Management</strong></td>
<td>Establishes the procedures for defining and managing the project scope</td>
<td>Expert judgment, Meetings</td>
<td>Scope management plan, Requirements management plan</td>
</tr>
<tr>
<td></td>
<td>Project management plan, Environment, factors, Organizational process assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.2 Collect Requirements</strong></td>
<td>Scope management plan, Requirements management plan, Stakeholder management plan, Project charter, Stakeholder register</td>
<td>Interviews, Focus groups, Facilitated workshops, Group creativity techniques</td>
<td>Requirements documentation, Requirements traceability matrix</td>
</tr>
<tr>
<td></td>
<td>Scope management plan, Requirements management plan, Stakeholder management plan, Project charter, Stakeholder register</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.3 Define Scope</strong></td>
<td>Develops the detailed project scope statement</td>
<td>Expert judgment, Product analysis, Alternatives generation, Facilitated workshops</td>
<td>Project scope statement, Project documents (updates)</td>
</tr>
<tr>
<td></td>
<td>Scope management plan, Project charter, Requirements documentation, Organizational process assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.4 Create WBS</strong></td>
<td>Subdivides major work and deliverables into manageable components</td>
<td>Decomposition, Expert judgement</td>
<td>Scope baseline, scope statement, WBS, WBS Dictionary, Project documents (updates)</td>
</tr>
<tr>
<td></td>
<td>Scope management plan, Requirements documentation, Environment, factors, Organizational process assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.5 Validate Scope</strong></td>
<td>Formalizes acceptance of completed project deliverables</td>
<td>Inspection, Group decision-making techniques</td>
<td>Accepted deliverables, Change requests, Project documents (updates)</td>
</tr>
<tr>
<td></td>
<td>Project management plan, Requirements documentation, Requirements traceability matrix, Verified deliverables, Work performance data</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.6 Control Scope</strong></td>
<td>Controls changes to project scope</td>
<td>Variance analysis</td>
<td>Work performance information, Change requests, Project documents (updates)</td>
</tr>
<tr>
<td></td>
<td>Project management plan, Requirements documentation, Requirements traceability matrix, Organizational process assets, Work performance data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Process Name</td>
<td>Inputs</td>
<td>Tools and Techniques</td>
<td>Outputs</td>
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<tr>
<td>8.1 Plan Quality Management</td>
<td>- Project management plan &lt;br&gt;- Stakeholder register &lt;br&gt;- Risk register &lt;br&gt;- Requirements documentation &lt;br&gt;- Enterprise environmental factors &lt;br&gt;- Organizational process assets</td>
<td>- Cost-benefit analysis &lt;br&gt;- Cost of quality &lt;br&gt;- Seven basic quality tools: &lt;br&gt;- Cause and effect diagram &lt;br&gt;- Control charts &lt;br&gt;- Flowcharting &lt;br&gt;- Histogram &lt;br&gt;- Pareto chart &lt;br&gt;- Run chart &lt;br&gt;- Scatter diagram &lt;br&gt;- Benchmarking &lt;br&gt;- Design of experiments &lt;br&gt;- Statistical sampling &lt;br&gt;- Additional quality planning tools &lt;br&gt;- Meetings</td>
<td>- Quality management plan &lt;br&gt;- Process improvement plan &lt;br&gt;- Quality metrics &lt;br&gt;- Quality checklists &lt;br&gt;- Project documents (updates)</td>
</tr>
<tr>
<td>8.2 Perform Quality Assurance</td>
<td>- Quality management plan &lt;br&gt;- Process improvement plan &lt;br&gt;- Quality metrics &lt;br&gt;- Quality control measurements &lt;br&gt;- Project documents</td>
<td>- Quality management and control tools &lt;br&gt;- Quality audits &lt;br&gt;- Process analysis</td>
<td>- Change requests &lt;br&gt;- Project management plan (updates) &lt;br&gt;- Project documents (updates) &lt;br&gt;- Organizational process assets (updates)</td>
</tr>
<tr>
<td>8.3 Control Quality</td>
<td>- Project management plan &lt;br&gt;- Quality metrics &lt;br&gt;- Quality checklists &lt;br&gt;- Work performance data &lt;br&gt;- Approved change requests &lt;br&gt;- Deliverables &lt;br&gt;- Project documents &lt;br&gt;- Organizational process assets</td>
<td>- Seven basic quality tools: &lt;br&gt;- Cause and effect diagram &lt;br&gt;- Control charts &lt;br&gt;- Flowcharting &lt;br&gt;- Histogram &lt;br&gt;- Pareto chart &lt;br&gt;- Run chart &lt;br&gt;- Scatter diagram &lt;br&gt;- Statistical sampling &lt;br&gt;- Inspection &lt;br&gt;- Approved change requests review</td>
<td>- Quality control measurements &lt;br&gt;- Validated changes &lt;br&gt;- Validated deliverables &lt;br&gt;- Work performance information &lt;br&gt;- Change requests &lt;br&gt;- Project management plan (updates) &lt;br&gt;- Project documents (updates) &lt;br&gt;- Organizational process assets (updates)</td>
</tr>
</tbody>
</table>
Scope Management | Chapter 5

- **5.1 Plan Scope Management**
  - **Inputs**
    - Project management plan
    - Project charter
    - Enterprise environmental factors
    - Organizational process assets
    - Expert judgment
    - Meetings
  - **Tools & Techniques**
    - Scope management plan
    - Requirements management plan
  - **Outputs**
    - Project scope statement
    - Project documents (updates)
    - Project management plan
    - Requirements documentation
    - Requirements traceability matrix

- **5.2 Collect Requirements**
  - **Tools & Techniques**
    - Interviews
    - Focus groups
    - Facilitated workshops
    - Group creativity techniques
    - Group decision-making techniques
    - Questionnaires & Surveys
    - Prototypes
    - Benchmarking
    - Context diagrams
    - Document analysis
  - **Outputs**
    - Requirements documentation
    - Requirements traceability matrix
    - Scope management plan
    - Project scope statement
    - Requirements documentation
    - Organizational process assets
    - Enterprise environmental factors

- **5.3 Define Scope**
  - **Tools & Techniques**
    - Expert judgment
    - Alternatives generation
    - Facilitated workshops
  - **Outputs**
    - Project scope statement
    - Project documents (updates)
    - Project management plan
    - Requirements documentation
    - Requirements traceability matrix

- **5.4 Create WBS**
  - **Tools & Techniques**
    - Expert judgment
    - Decomposition
    - Expert judgment
    - Alternatives generation
    - Facilitated workshops
  - **Outputs**
    - Scope statement
    - WBS
    - WBS Dictionary
    - Project documents (updates)
    - Project management plan
    - Requirements documentation
    - Requirements traceability matrix
    - Organizational process assets
    - Enterprise environmental factors
    - Organizational process assets
    - Work performance data

- **5.5 Validate Scope**
  - **Inputs**
    - Project management plan
    - Requirements management plan
    - Stakeholder management plan
    - Project charter
    - Stakeholder register
  - **Tools & Techniques**
    - Interviews
    - Focus groups
    - Facilitated workshops
    - Group creativity techniques
    - Group decision-making techniques
    - Questionnaires & Surveys
    - Prototypes
    - Benchmarking
    - Context diagrams
    - Document analysis
  - **Outputs**
    - Requirements documentation
    - Requirements traceability matrix
    - Scope management plan
    - Project scope statement
    - Requirements documentation
    - Organizational process assets

- **5.6 Control Scope**
  - **Inputs**
    - Work performance information
    - Change requests
    - Project management plan (updates)
    - Project documents (updates)
    - Organizational process assets (updates)
  - **Tools & Techniques**
    - Visual perspectives in project management and business analysis
    - Group decision-making techniques
  - **Outputs**
    - Project management plan (updates)
    - Project documents (updates)
    - Change requests
    - Work performance information