Category	Challenges that may impede developer satisfaction and productivity
Management	<ul> <li>Poorly defined goals</li> <li>Manager [Beecham et al. 2008]</li> </ul>
Organization	<ul> <li>Lack of vision</li> </ul>
Team	<ul> <li>Poorly qualified co-workers [Graziotin et al. 2017]</li> <li>Team culture [Beecham et al. 2008]</li> </ul>
Personal productivity	- Technical competency [Judge et al. 2001]
Work type/impact	<ul> <li>Unclear requirements</li> <li>Legacy code</li> <li>Poor software architecture</li> <li>Too many external dependences</li> <li>Development stack/architecture</li> <li>Interacting with people</li> </ul>
Engineering systems and processes	<ul> <li>Poor software development processes [Beecham et al. 2008]</li> <li>Poor engineering tools [Wagner &amp; Ruhe 2008, Wagner &amp; Ruhe 2018]</li> <li>Poor hardware resources [Beecham et al. 2008]</li> <li>Poor collaboration tools [Beecham et al. 2008]</li> <li>Too many emails [Meyer et al. 2014]</li> <li>Too many meetings [Meyer et al. 2014]</li> <li>Too many communication channels [Meyer et al. 2014]</li> </ul>
Training/documentation	<ul> <li>Insufficient training [Beecham et al. 2008]</li> <li>Finding relevant information [Wagner &amp; Ruhe 2008, Wagner &amp; Ruhe 2018]</li> </ul>
Working environment	<ul> <li>Too many interruptions [Meyer et al. 2014]</li> <li>Lack of quiet space for work [Meyer et al. 2014]</li> </ul>
Work life/work experience	<ul> <li>Time to do required work</li> </ul>