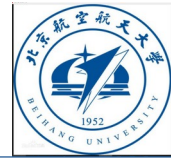


Domain / Field : IT / Strategy	Project number (to be completed by ECPkn) PIC-XX
Project Title : HarmonyOS NEXT as a target for Frogans Player development: strategic report for the OP3FT Board of Directors	
Project description : Frogans is a medium for the universal publishing of content and services on the Internet. Compared to the Web, Frogans is designed for more visual communication, more focused content and more natural interaction. Frogans allows to publish Frogans sites. Frogans sites have free-form shapes which break free from the mandatory rectangular format of Web sites. They float on the end user's screen. End users browse Frogans sites using dedicated, free-of-charge software called Frogans Player. For a preview of Frogans: https://v.youku.com/v_show/id_XNTgzNzY4Nzk1Ng The Frogans technology is developed by the OP3FT, a Standards Developing Organization based in France, with the participation of OP3FT China, the local branch of the OP3FT located in Beijing. ~ The purpose of the project is to study the conditions under which a version of Frogans Player can be developed for the new HarmonyOS NEXT on PCs and mobile devices (note: earlier versions of HarmonyOS are outside the scope of this project). The deliverable will be a report intended for the OP3FT Board of Directors. The report is expected to help the OP3FT define its strategy as regards HarmonyOS NEXT. Students' deliverable (in English) will consist of three parts: <ol style="list-style-type: none">1. A market analysis of the current and prospective HarmonyOS NEXT ecosystem. This analysis will notably cover how Chinese stakeholders are considering or already adopting this new OS, including (i) stakeholders of the Web ecosystem (e.g.: browser software publishers, content publishers, and end users) and (ii) industrial players (e.g.: manufacturers of mobile devices, computers, and AR/VR devices). The conclusion of this part will be a memo on the market potential of HarmonyOS NEXT for Frogans.2. A functional analysis of HarmonyOS NEXT. This analysis will cover aspects such as application windowing, full-screen and multi-screen management, multitasking on mobile devices, and other UX/UI topics. The conclusion of this part will be a memo on the functional opportunities and limitations of HarmonyOS NEXT and on its relevance to the user experience when browsing Frogans sites.	



3. **A technical analysis of HarmonyOS NEXT.** This analysis will notably cover requirements in terms of the development environment (SDKs), programming languages, compilers, software library integration, OS abstraction layers (including for instance memory and thread management), graphical user interfaces (GUI), etc. The conclusion of this part will be a memo on the feasibility of (i) creating a version of the Frogans Player development environment targeting HarmonyOS NEXT and (ii) developing a version of Frogans Player for HarmonyOS NEXT.

Students will work in parallel on each of the three parts of the deliverable, providing a clearer and more precise vision at each Project Committee meeting.

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<p style="text-align: center;">Company</p> <p>Name (English): OP3FT China Name (Chinese, if possible): 北京奥比睿网络技术 技术有限公司 Office address: 北京市海淀区万泉河路 68 号紫 金大厦 18 层 2034 Website: https://china.op3ft.org/</p>	<p style="text-align: center;">Company LOGO</p> 

PIC Project Proposal 2024-2025