


Ficha PL 1 (PT)

Temas e Cenário

Analise os temas propostos (ver quadro abaixo) e comece por pesquisar usando algumas keywords que associe ao tema, de forma a obter uma visão mais ampla de possibilidades relacionadas com o tema.

Na tabela seguinte são dadas algumas sugestões de keywords mas não deve limitar-se a essas keywords.

Pode fazer buscas no Google, ou no Google Scholar (<https://scholar.google.com/>). Recolha alguns exemplos de projectos que considere de alguma forma relacionado com pelo menos dois dos temas que mais o atraem e documente esses exemplos. Seleccione o exemplo mais interessante de cada tema e registe na Google Sheet seguinte:  Pesquisa Temas 2023-24

Não demore mais de 30min na pesquisa.

Os resultados desta pesquisa não o comprometem na escolha ou desenvolvimento do projecto. Servem apenas para explorar de forma colaborativa os vários temas. A informação recolhida ficará disponível para todos os alunos e poderá servir de inspiração ou referência futura.

Individualmente, durante não mais de 20 minutos, pense e aponte um cenário de uso para o tema de projecto que mais lhe suscite interesse. No mesmo Google Sheet, aponte as suas preferências de temas de projecto.

Grupos

Os projectos deverão ser realizados em equipas de 3 ou 4 elementos, preferencialmente. Caso já tenha uma equipa formada, indique no Google Sheet.

Worksheet PL 1 (EN)

Themes and scenario

Analyze the proposed themes (see table below) and start by searching using some keywords that you associate with the theme, in order to obtain a broader view of possibilities related to the theme.

In the following table some keyword suggestions are given but you should not limit yourself to these keywords.

You can search on Google or Google Scholar (<https://scholar.google.com/>). Collect some examples of projects that you consider in some way related to at least two of the themes that most attract you and document these examples. Select the most interesting example of each theme and record it in the following Google Sheet: [📄 Pesquisa Temas 2023-24](#)

Don't spend more than 30 minutes searching.

The results of this research do not compromise you in choosing or developing the project. They only serve to collaboratively explore the various themes. The information collected will be available to all students and may serve as inspiration or future reference.

Individually, for no more than 20 minutes, think about and suggest a usage scenario for the project topic that most interests you. In the same Google Sheet, indicate your preferences for project themes.

Groups

Projects should be carried out in teams of 3 or 4 members, preferably. If you already have a team formed, indicate it in the Google Sheet.

Theme	Objective	Values	Constraints	Target Technologies
collabStage	enable a collaborative theatrical performance on a shared surface	self-expression, learn to collaborate, dialogue through manipulation	interface for characters; virtual marionettes; soundscape stage;	N mobile connected to a shared webpage; (alt. multitouch table or tablet for small scale test)
NIME (New Instrument for Musical Expression)	collaborative musical performance on a multitouch surface	self-expression, learn to collaborate, dialogue through simultaneous! manipulation	interface for instruments; pure data generators?	55" multitouch table 14" multitouch screen tablet
EngageX	UI dress and test a minimalist unproven multiplayer game	understand how players engage; tune UI/UX based on metrics	cooperative + competitive	multiplayer na multitouch table
AR Puzzle	solve an AR puzzle around you could include geo-caching	guided low impact exercise for seniors (move slowly, rotate and point, knee flex-up, etc);	must not be solved in a static position (sitting down) picture/object is sliced, scattered and reassembled by dragging pieces; use reassuring+magnets feedback	Smartphone or Tablet (gyro+magnet) assume handling frame
VR Puzzle	solve an VR puzzle around you solve the locomotion in virtual space	solve a training exercise machine assemblage? fire fighting? clean oil spill?	reassemble by dragging pieces; use reassuring+magnets feedback; simulate dynamic environment (fire)	VR headset;