

CSC214 Final Portfolio

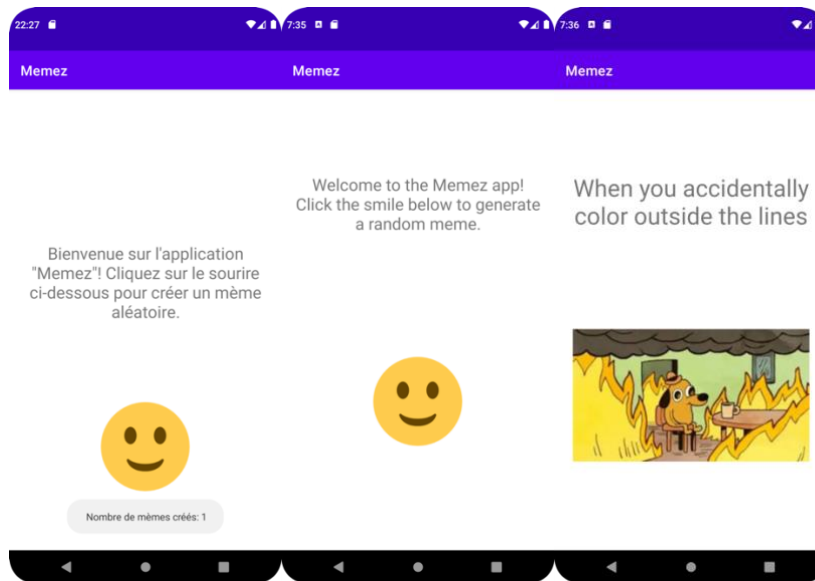
Josh Lemberg, 2022

Project 1 - Memez



Short description of app: The Memez app is a generator for memes. It selects a random image and random caption to create a meme.

- Localization into French
- Initial screen has ImageButton that creates meme
- Randomly selects meme using model for generalization purposes
- Keeps track of how many memes have been created



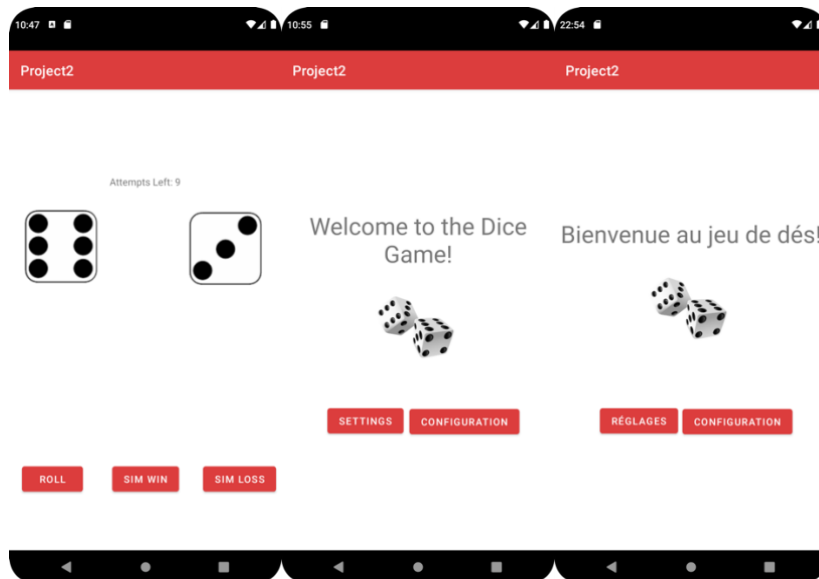
Long description of app: Upon opening of the app, the user is greeted with a welcome screen. This screen contains a smiley face, and when the user clicks on the smiley face, another activity is created. This activity queries the model for a random integer for the caption, and a random integer for the image, and uses these to display a random meme. Upon returning to the main screen, a Toast is shown with the number of memes that have been created.

Final Sentence: A good meme is a unique meme!

Project 2 – Dice Game



Short description of app: This is a dice game that allows you to roll dice until you run out of rolls or win by rolling a doubles



- Localization into French
- Ability to change die into dark mode
- Ability to change die between 3 sided and 6 sided
- Ability to select how many attempts you will get
- Animations throughout the game
- Splash screen

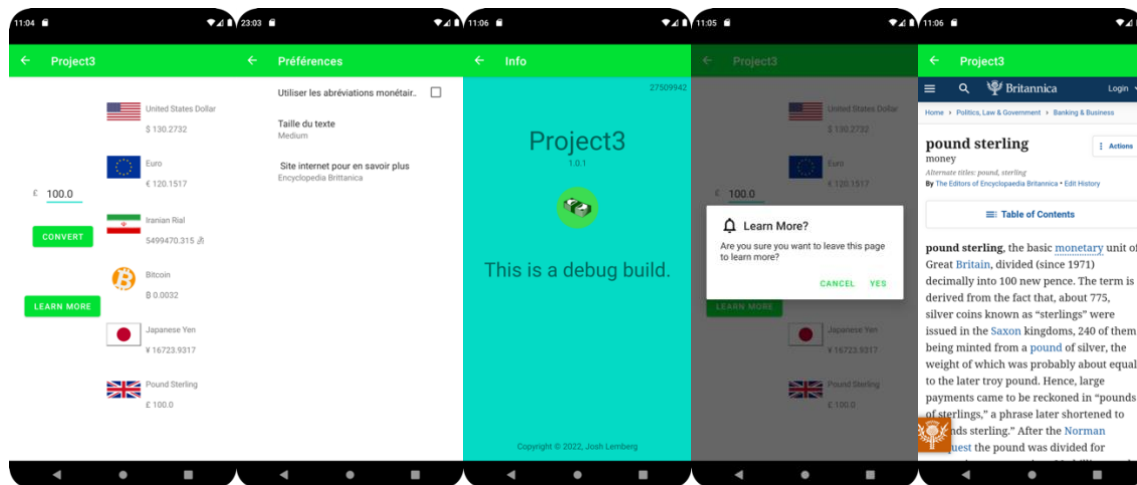
Long description of app: The app opens with a splash screen, and then loads a welcome screen. From this screen, the user can either go to a settings screen or start configuring the game to be played. If they go to the settings screen they have several options to change the gameplay of the app. If they go to the configurations screen they are presented with a list of available choices for number of attempts. After this the game is started. The user rolls until they run out of attempts or roll a doubles. When the game is over, they are taken to a screen telling them if they won or lost.

Final Sentence: Have fun rolling the dice!

Project 3 – Currency Exchanger



Short description of app: This is an app that allows the user to calculate currency exchange rates.



- Localization into French
- SharedPreferences
 - Use currency abbreviations (i.e. EUR) or full names (i.e. Euro)
 - Change text size
 - Change default website between Wikipedia and Encyclopedia Britannica
- Clicking on the flag next to a currency plays the national anthem of that currency
- Connects to API to get up-to-date currency exchange rates
- Ability to “learn more” which directs to webpage for selected currency
- 5 currencies supported

Long description of app: The user opens this app to a splash screen while the welcome screen loads and then shows. The user can use the actionbar menu to go to the preferences screen, or the info screen. The user can click on the button to begin the currency exchange, as they are brought to a screen asking what currency they want to exchange *from*. Then, they are brought to a screen where they can input the amount to convert, and it will be converted upon pressing the “convert” button to all 5 currencies. Clicking on the flag next to a currency plays the national anthem of that currency. Clicking “Learn More” redirects to the selected webpage for the selected currency.

Final Sentence: A useful tool for converting currencies in a pinch!