You are building a memory game with tiles. You will be using Pixi.js

1. The premise is that there will be a set of sequences that are allowed to be traversed in the game.

2. Players first select a specific sequence to traverse. The first version of the game will

have the following sequences

a. Pi

b. US Presidents

c. Greek Alphabet

d. English Alphabet for Toddlers

e. Books of the Bible

3. When a sequence is selected a game screen appears with the option to Start the Sequence

4. Once the sequence is started rows of tiles start falling from the top of the screen and a timer is initiated. Consider the fall rate to be similar to the rate of fall for tetris at the beginning.

5. Each row represents an index in the sequence. For example for Pi, row 1 is for selecting 3, row 2 which is above row 1, is for selecting 1, row 3 which falls above row 2 is for selecting 4 and so on. Another example, for the Books of the Bible, Row 1 would be for selecting Genesis, Row 2 for selecting Exodus, Row 3 for selecting Leviticus and so on.

6. Along with the correct element in each row, there are other random elements that if selected causes the rows to fall at a faster rate.

7. If the correct element is selected that row is removed

8. If a row reached the bottom of the screen the game ends and a screen is shown showing the last element selected, the number of elements traversed and the time that elapsed with options for sharing.

9. Specifics for each sequence are shown below.

a. The presidents tiles will show with an image of the president which is stored in an assets/presidents/ directory with files of the format 2digits followed be \_ followed by the presidents name as normally called with no periods and underscores replacing spaces with jpg extension Eg. “01\_george\_washington.jpg”, “06\_john\_quincy\_adams.jpg”, “21\_chester\_a\_arthur.jpg”, “41\_george\_hw\_bush” and so on.

10. The sequences are stored as follows

const piSequence =

"314159265358979323846264338327950288419716939937510582097494459230781640628620899862803482534211706798214808651328230664709384460955058223172535940812848111745028410270193852110555964462294895493038196442881097566593344612847564823378678316527120190914564856692346034861045432664821339360726024914127372458700660631558817488152092096282925409171536436789259036001133053054882046652138414695194151160943305727036575959195309218611738193261179310511854807446237996274956735188575272489122793818301194912983367336244065664308602139494639522473719070217986094370277053921717629317675238467481846766940513200056812714526356082778577134275778960917363717872146844090122495343014654958537105079227968925892354201995611212902196086403441815981362977477130996051870721134999999837297804995105973173281609631859502445945534690830264252230825334468503526193118817101000313783875288658753320838142061717766914730359825349042875546873115956286388235378759375195778185778053217122680661300192787661119590921642019893809525720106548586327886593615338182796823030195203530185296899577362259941389124972177528347913151557485724245415069595082953311686172785588907509838175463746493931925506040092770167113900984882401285836160356370766010471018194295559619894676783744944825537977472684710404753464620804668425906949129331367702898915210475216205696602405803815019351125338243003558764024749647326391419927260426992279678235478163600934172164121992458631503028618297455570674983850549458858692699569092721079750930295532116534498720275596023648066549911988183479775356636980742654252786255181841757467289097777279380008164706001614524919217321721477235014144197356854816136115735255213347574184946843852332390739414333454776241686251898356948556209921922218427255025425688767179049460165346680498862723279178608578438382796797668145410095388378636095068006422512520511739298489608412848862694560424196528502221066118630674427862203919494504712371378696095636437191728746776465757396248373596081601212209863869151934565229625623161572383253727605806854019732640620615258352395054745750287759961729835575220337531857011354374603408498847160386899970699004815030544027790316454247823068492936918621580578463111596668713013015618568987169981038451880052697203396";

const presidentsSequence = [

"George Washington",

"John Adams",

"Thomas Jefferson",

"James Madison",

"James Monroe",

"John Quincy Adams",

"Andrew Jackson",

"Martin Van Buren",

"William Henry Harrison",

"John Tyler",

"James K. Polk",

"Zachary Taylor",

"Millard Fillmore",

"Franklin Pierce",

"James Buchanan",

"Abraham Lincoln",

"Andrew Johnson",

"Ulysses S. Grant",

"Rutherford B. Hayes",

"James Garfield",

"Chester A. Arthur",

"Grover Cleveland",

"Benjamin Harrison",

"Grover Cleveland",

"William McKinley",

"Theodore Roosevelt",

"William Howard Taft",

"Woodrow Wilson",

"Warren G. Harding",

"Calvin Coolidge",

"Herbert Hoover",

"Franklin D. Roosevelt",

"Harry S. Truman",

"Dwight D. Eisenhower",

"John F. Kennedy",

"Lyndon B. Johnson",

"Richard Nixon",

"Gerald Ford",

"Jimmy Carter",

"Ronald Reagan",

"George H. W. Bush",

"Bill Clinton",

"George W. Bush",

"Barack Obama",

"Donald Trump",

"Joe Biden",

];

const greekAlphabetSequence = [

"Alpha-Αα",

"Beta-Ββ",

"Gamma-Γγ",

"Delta-Δδ",

"Epsilon-Εε",

"Zeta-Ζζ",

"Eta-Ηη",

"Theta-Θθ",

"Iota-Ιι",

"Kappa-Κκ",

"Lambda-Λλ",

"Mu-Μμ",

"Nu-Νν",

"Xi-Ξξ",

"Omicron-Οο",

"Pi-Ππ",

"Rho-Ρρ",

"Sigma-Σσς",

"Tau-Ττ",

"Upsilon-Υυ",

"Phi-Φφ",

"Chi-Χχ",

"Psi-Ψψ",

"Omega-Ωω",

];

const englishAlphabetSequence = [

"A-a",

"B-b",

"C-c",

"D-d",

"E-e",

"F-f",

"G-g",

"H-h",

"I-i",

"J-j",

"K-k",

"L-l",

"M-m",

"N-n",

"O-o",

"P-p",

"Q-q",

"R-r",

"S-s",

"T-t",

"U-u",

"V-v",

"W-w",

"X-x",

"Y-y",

"Z-z",

];

const booksOfTheBibleSequence = [

"Genesis",

"Exodus",

"Leviticus",

"Numbers",

"Deuteronomy",

"Joshua",

"Judges",

"Ruth",

"1 Samuel",

"2 Samuel",

"1 Kings",

"2 Kings",

"1 Chronicles",

"2 Chronicles",

"Ezra",

"Nehemiah",

"Esther",

"Job",

"Psalms",

"Proverbs",

"Ecclesiastes",

"Song of Solomon",

"Isaiah",

"Jeremiah",

"Lamentations",

"Ezekiel",

"Daniel",

"Hosea",

"Joel",

"Amos",

"Obadiah",

"Jonah",

"Micah",

"Nahum",

"Habakkuk",

"Zephaniah",

"Haggai",

"Zechariah",

"Malachi",

"Matthew",

"Mark",

"Luke",

"John",

"Acts",

"Romans",

"1 Corinthians",

"2 Corinthians",

"Galatians",

"Ephesians",

"Philippians",

"Colossians",

"1 Thessalonians",

"2 Thessalonians",

"1 Timothy",

"2 Timothy",

"Titus",

"Philemon",

"Hebrews",

"James",

"1 Peter",

"2 Peter",

"1 John",

"2 John",

"3 John",

"Jude",

"Revelation",

];