

#2

PROJECT MANAGEMENT LOG	
First Name: Swoyam	Surname: Pokharel
Student Number: 2431342	Supervisor: Prakriti Regmi 
Project Title: Oops!Mate.	Month: September
What have you done since the last meeting	
<ul style="list-style-type: none">- Implemented & Tested 3 different approaches to generating moves. (iterative, magic bitboards, PEXT boards)- Slides for explaining how each of those implementations work- Updated the previous <code>board</code> representation for a performance gain (~10-30ns to ~0-10ns)	
What do you aim to complete before the next meeting	
<ul style="list-style-type: none">- Implement a unified <code>Move</code> type Create a compact <code>u32</code>-based representation that stores <code>from</code>, <code>to</code>, <code>capture</code>, <code>flags</code>, and other metadata.- Attack -> <code>Move</code> type generator Use the PEXT-generated attack tables to efficiently produce moves, then wrap them into the <code>Move</code> type with proper flag handling (promotion, en passant, castling)- Wrapper around the board to generate moves as <code>Move</code> type, so the <code>Moves</code> are stateful- TL;DR: Generate Psuedo-Legal moves.	
Supervisor comments	

Appendix - Project Log Book Entry Template

#1

PROJECT MANAGEMENT LOG	
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Project Title: Oops!Mate.	Month: September
What have you done since the last meeting	
<ul style="list-style-type: none">- Bitboard Based Board Representation- U8 based piece representation- Utils for moves, captures, removes / set bits- Utf8 characters for piece representation- Slides explaining how it all works	
What do you aim to complete before the next meeting	
<ul style="list-style-type: none">- Implement Iterative Approach For Move Gen- Implement Magic Bitboards For Move Gen- Implement PEXT Boards For Move Gen- Benchmark All 3.	
Supervisor comments	

Appendix - Project Log Book Entry Template