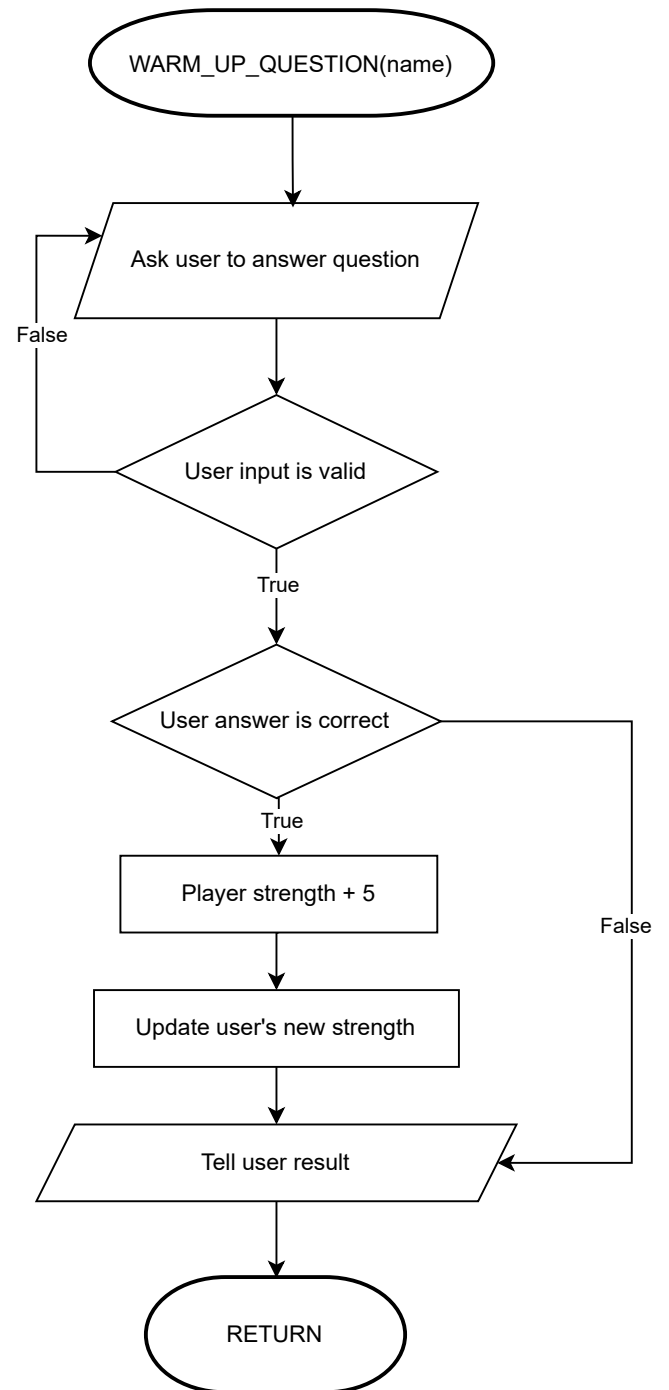
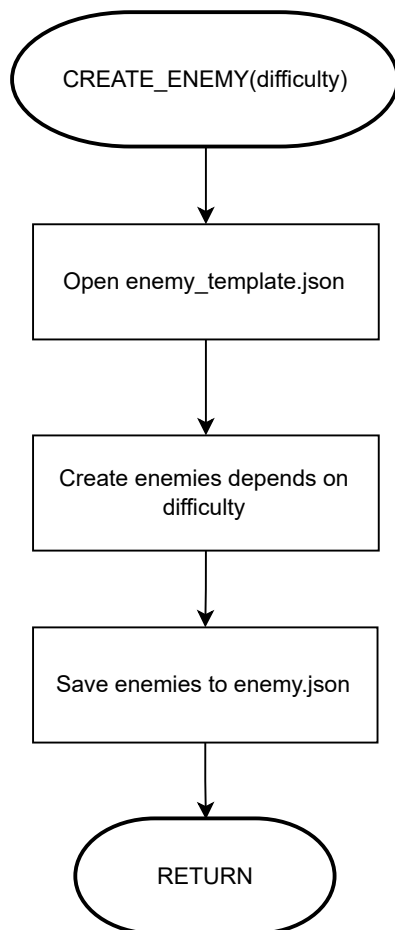
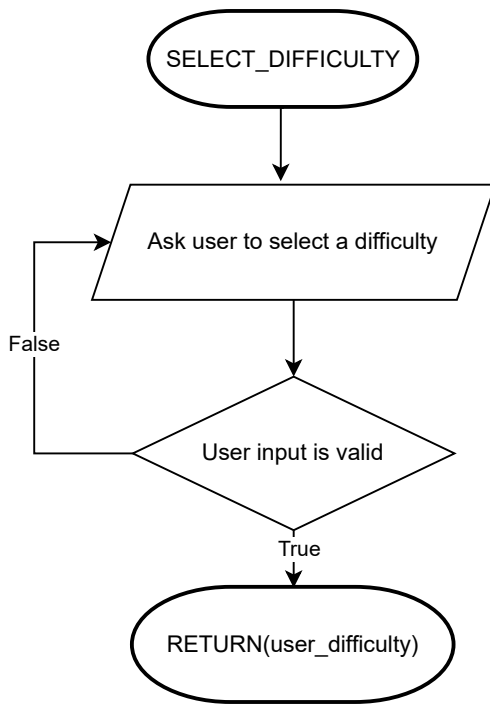
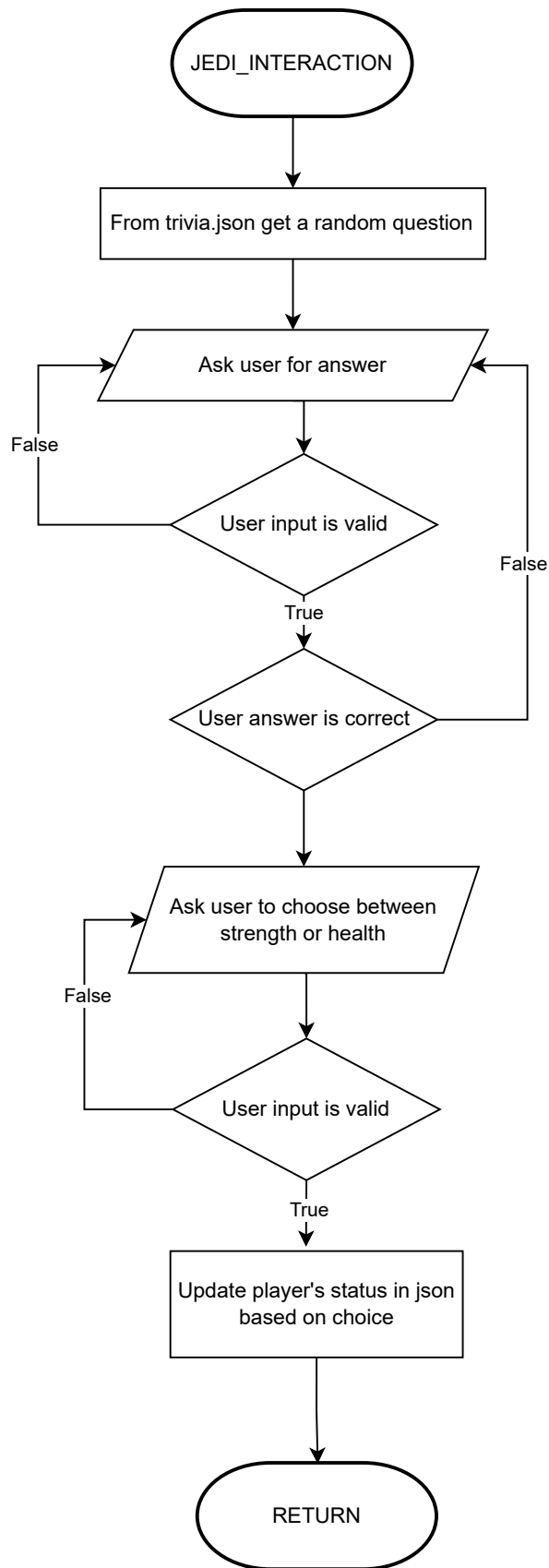


helper functions



helper functions



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