

# A Grammar

This appendix contains a summary of the grammar found in the main document. As described in section 2.1, the TypeScript grammar is a superset of the grammar defined in the [ECMAScript Language Specification](#) (specifically, the ECMA-262 Standard, 5<sup>th</sup> Edition) and this appendix lists only productions that are new or modified from the ECMAScript grammar.

## A.1 Types

*TypeParameters:*

*< TypeParameterList >*

*TypeParameterList:*

*TypeParameter*

*TypeParameterList , TypeParameter*

*TypeParameter:*

*Identifier Constraint<sub>opt</sub>*

*Constraint:*

*extends Type*

*Type:*

*PredefinedType*

*TypeReference*

*TypeQuery*

*TypeLiteral*

*PredefinedType:*

*any*

*number*

*boolean*

*string*

*void*

*TypeReference:*

*TypeName TypeArguments<sub>opt</sub>*

*TypeName:*

*Identifier*

*ModuleName . Identifier*

*ModuleName:*

*Identifier*

*ModuleName . Identifier*